

Structured PhD studies at the Department of Chemistry

1. Registration for the Graduate Studies

- The PhD student should register in the dean office within the **first three months** of his/her (normally three year) PhD program.
- He/She also subscribes to the mailing list of his/her year in **ILIAS**.

2. Co-Referee

Latest one year before handing in the thesis the PhD student chooses the **co-supervisor** of the thesis. (= co-examiner of the public thesis defense). This could also be a co-supervisor from another (international) university.

((Latest means early enough not at the last minute))

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2. Co-Referee

Besides the professors, you can choose group leaders (incl. HabilitandInnen) as Co-Referee, even if they may not be your co-examiner.

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3. Reports

During the PhD period the student reports **at least annually** about the progress of his/her work. This could be a written report (or a refereed paper) as well as an oral presentation within a seminar. The co-supervisor must be informed about the progress, e.g. invited to the talk.

4. Project Lectures

The PhD student attends project lectures. He or she should **at least attend one lecture given by the co-supervisor**. The attendance of **two lectures** has to be proven (route card).

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5. Publication

Supervisor and PhD student are encouraged to prove **at least one peer-reviewed** paper when handing in the thesis.

6. Seminars

The PhD student should attend the seminars in the relevant institute or department regularly.

Route card for a structured PhD program

Route card for a structured PhD program

Name: _____

Registered in the deanery for the PhD studies with/without obligations at:

Registered in Ilias:

Supervisor: _____

Co-Supervisor: _____

Report (see bullet 3):
(Date, form, e.g. Presentation, Publication)

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Project lecture (see bullet 4):

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Signature Supervisor

Please hand in this form at the managing director of the Department of Chemistry, Dr. Heike Henneken, when handing in your thesis.

<http://www.chemie.uni-koeln.de/>

> Promotion

Lectures for PhD students

<https://klips.uni-koeln.de/>

The screenshot shows a web browser window displaying the KLIPS website. The browser's address bar shows the URL <https://klips.uni-koeln.de/qisserver/rds?state=wtree&search=1&trex=step&root120141=43621|4168>. The website header includes the University of Cologne logo and the text "University of Cologne Kölner Lehr-, Informations- und Prüfungs-Service (KLIPS)". A navigation bar contains links for "Home", "Login", "Summer 2014", "KLIPS Support", and "Sitemap". Below this, there are tabs for "Courses" and "Orgunits". The main content area is titled "Course Directory sorted by Faculty (SoSe 2014)" and includes a "View:" dropdown menu with options for "short", "medium", and "long". The content is organized into a hierarchy: "Vorlesungsverzeichnis" (Lecture Catalog) -> "Mathematisch-Naturwissenschaftliche Fakultät" (Faculty of Mathematics and Natural Sciences) -> "Chemie" (Chemistry) -> "Veranstaltungen für Doktoranden und Fortgeschrittene Studierende" (Events for PhD students and advanced students). Under "Chemie", the following programs are listed: Bachelor Chemie, Bachelor Biochemie, Master Chemie, Chemie für Lehrtätler, Chemie als Nebenfach, and Studium Integrale. The footer of the website includes "KLIPS Support" and "Print" links.

Obligatory now!

since	ab 1.1.2016:
Phase 1: Registration at the dean's office	Phase 1: identical
-	Phase 2: notice to the Department (Dr. Henneken) Note the internal route card
Phase 2: Work on your PhD (2-4 years)	Phase 3: Choose a mentor / co-supervisor, Besuchen Got to lectures /seminars Present your results, discuss with your mentor / co- supervisor Work on your PhD (2-4 years)
Phase 3: After your PhD work: „Anmeldung zum Promotionsverfahren“ at the dean's office and complete the procedure	Phase 4: After your PhD work: „Anmeldung zum Promotionsverfahren“ at the dean's office. Return the signed (by the representative of the department) internal route card at the dean's office Complete the procedure

Lectures for PhD students

- All **P-Module lectures (there are numerous !!!)**
- Innovation management incl. Excursion to Bayer - *Bieringer*
- Economics of the Chemical Industry - *Ansteeg*

- Computational Chemistry - *Blunk*
- Molecular Pharmacology and active component research – *Hillisch*
- Symmetry in Spectroscopy – *Gutmann*
- Soft matter: characterization methods and properties- *Wiegand*
- Molecular and biochemical causes of neural diseases – *A. Baumann*
- The brain: An introduction into molecular biochemistry – *Kaupp*
- Metal organic synthesis chemistry - *Th. Schmidt*

- **Institute Colloquia**

AMGC- Albertus Magnus Graduate Center

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

The Albertus Magnus Graduate Center (AMGC) is the central contact for everyone interested in pursuing a doctorate as well as for all current doctoral candidates and postdocs at the University of Cologne.

The AMGC provides support and advice for doctoral candidates and postdocs

- on the acquisition of academic and professional skills, -> **Workshops!!**
- regarding career planning,
- in case of difficulties or conflicts.

They want one representative of every faculty in their board.

We need to appoint /elect a representative and a deputy.

These build together with the representatives of the other departments the group of doctoral candidates of the MNF. They elect the representative for the AMGC.

Graduate School of the Department of Chemistry

The departmental board decided to develop the plan of a graduate school of the department further.

We will work in a working group on the

- structure
- basic order
- name

A representative of the doctoral candidates should be involved in this work.

Volunteers?

Questions?

- Please don't hesitate to contact:
- Dr. Heike Henneken
- - 1791
- Heike.henneken@uni-koeln.de

Scientific integrity = Gute Wissenschaftliche Praxis (GWP)

Some key features that we are trying to teach to BSc, MSc students; examples:

- **Data Collection:**

- What about „bad“ data points?
- Abuse of authority

- **Data Storage:**

- Lab Journal
- Backups

- **Publications:**

- Who is responsible for the content of the publication?
- Authors, sequence, responsibilities

- **Cooperation:**

- Respect
- Which data belongs to whom?