

Teaching (until winter term 2011/2012)

1. Lectureships and exercises

„Data and Modelling“, four weekly contact hours, summer term 2007-2011

„Environmental Chemistry“, two weekly contact hours, winter term, 2007/08-2009/10

„Environmental Economics“, four weekly contact hours, winter term 2010/11

2. Practical courses

„Laboratory Course in Environmental Analysis“, five weekly contact hours, winter term, 2007/08-2009/10

„Practical Course on Organic Pollutants in Waters, five weekly contact hours, winter term, 2000/01-2002/03

3. Seminars

„Phenols in terrestrial ecosystems“, two weekly contact hours, winter term, 2007/08-2009/10

“Adaptive Resource Management”, two weekly contact hours, summer term, 2010

Pro-seminar on various topics in Applied Environmental Systems Analysis, two weekly contact hours, winter term, 2008/09-2010/11

4. Visiting lectureships

5th international summer school on Environmental Chemistry and Ecotoxicology of persistent toxic substances: “Monitoring and exposure modeling of emerging contaminants in river water”. Research Centre for Environmental Chemistry and Ecotoxicology (RECETOX). Masaryk University, Brno, Czech Republic. 05.-12.07.2009.

PhD course: Xenobiotics in the urban water cycle. Monitoring and modeling of benzotriazoles in river water in the catchment area of Hengstbach/Schwarzbach - A case study. Department of Environmental Engineering. Technical University of Denmark. 08.-18.06.2009.

4th international summer school on Environmental Chemistry and Ecotoxicology of persistent toxic substances: “Interactions of hydrocarbons and snow/ice”. Research Centre for Environmental Chemistry and Ecotoxicology (RECETOX). Masaryk University, Brno, Czech Republic. 06.-13.07.2008.

5. Additional qualifications

2007: Acquisition of the Higher Education Certificate for Lecturers, University Frankfurt am Main, Germany (75 lessons)

6. Supervision of graduate students

- 4 PhD-Theses (2 as a first supervisor, 2 as a second supervisor)
- 5 Master-Theses (2 as a first supervisor, 3 as a second supervisor)
- 14 Bachelor-Theses (12 as a first supervisor, 2 as a second supervisor)

Statement of teaching philosophy

The subjects of my undergraduate and graduate courses are environmental systems analysis, environmental chemistry, hydrology and hydrogeology, water resources, and environmental economics. I integrate graduate students directly into my active research program in the field of process and system studies of pollutants in the water cycle and the sustainable use of water resources.

In the didactic planning of my courses I consider the following combination of learning objectives that enhance from my perspective the learning success of students: professional competence as the sum of knowledge and skills, methodological skills, and social skills.

It is important to me to motivate students and enhance learning by using activating teaching methods such as short exercises used with lectures, small group discussions followed by platform presentations, brainstorming, partner interviews and oral presentations. With this concept I aim to support student-centred learning and to meet the different needs of every student.

In addition a practical deepening of theoretical knowledge is important to me. I promote this through intensive supervision of the research-oriented and solution-oriented processing of student projects, internships and theses in cooperation with other faculty members and experts from practice, where students can practice the skills learned.