

Tools for the Craft of Research

Workshop series given by Dr. Renate Klempien-Hinrichs

(1) Starting a Research Project: From an Idea to a Detailed Plan

(2) Tools for Scientific Research and Organisation of the Research Process

This two-part course is intended to assist young researchers in starting and carrying on with their individual research project. In the first part, the participants gain an overview of the scientific research process in general, develop a deeper understanding of their individual research project, and learn basic writing skills, enabling them to produce a detailed project plan.

The second part elaborates the fundamental rules for good scientific practice. It has the participants experience discipline-independent research methods in the specific context of their research projects. In particular, the participants identify and necessary for a research project are presented and tried out, so that each participant improve their individual strategies for scientific writing. Moreover, techniques to manage the activities can organise their research in a manner well suiting their projects and personalities. During the coursework, different views related to research discipline or

culture may emerge, and the issues will then be reflected and compared with the German research culture.

Course Format

The course extends over nearly two semesters, starting in October 2016 and ending in June 2017. The first part is weekly and takes place in four units of four hours each, Mondays from 2.00 to 6.00 p.m. Following this, the second part is organised in sixteen units of two hours on Mondays from 2.00 to 4.00 p.m.

Dr. Renate Klempien-Hinrichs is a theoretical computer scientist with a doctoral degree from the University of Bremen. She has taught several courses in the area of theoretical computer science and began in 2004 to develop workshops on how to start writing a scientific thesis. The concept for the present course programme is influenced by her experiences in writing and reviewing scientific publications, reporting on diploma and doctoral theses in computer science, and supervising German and international students' diploma theses.



Organiser

International Graduate School
for Dynamics in Logistics (IGS)
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Contact

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Organisational Hints

New classes will start on October 17, 2016

This workshop series is open for Erasmus Mundus Bachelor and Master students of FUSION and gLINK as well as for Erasmus students writing a thesis and for new doctoral candidates of the IGS. 3 CP will be offered for participation in each course including an examination. Please, register for the course by sending an email to courses@IGS.LogDynamics.de.

Deadline: **10.10.2016**

The **International Graduate School for Dynamics in Logistics (IGS)** at the University of Bremen offers the opportunity to complete an efficient, structured doctoral training program. The IGS pursues an interdisciplinary and cross-cultural approach to higher education.

The IGS is part of *LogDynamics* which builds a cooperating network of research groups originated from four faculties of the University of Bremen: Production Engineering, Business Studies/ Economics, Mathematics/Computer Science, Physics/Electrical engineering.

Founded on specifications by supervisors or requirements by doctoral candidates, innovative complementary qualification measures have been developed, tested, evaluated and optimised. These explicitly include internationality, interdisciplinarity and the demands of the research area logistics.

The IGS offers different individual, interdisciplinary courses. Every course has one of two formats: either an *ongoing course* where a course *unit* takes place once every two weeks in an *organisational period* of approximately six months, or a *workshop* running from half a day up to two days.

A course is structured into *classes* of typically five students (ongoing course) or twelve students (workshop).

Key qualifications can only be trained by repeated practical experience; thus the IGS ensures continuity of several of these measures to improve transferable skills.

Terms and Conditions of IGS Courses

Any registration for a course offered by the IGS is binding after you receive a confirmation for your application. You are expected to attend class without exception. If you cannot attend a specific class, please inform your group, the lecturer and the organiser in time, i.e. at least two days before the appointed date. If the participants do not observe this rule and the lecturer does not have any participants for a class, the group has to pay for the wasted time and money.

If you generally cannot attend class anymore or if you want to entirely cancel your participation in a course, please inform the organiser in time. The IGS will offer your place to someone else.

Please, be aware that the entries in the IGS calendar are always up-to-date and binding. You will receive access to the calendar after registration for a course.

After any course, we will ask you for an evaluation. Please, fill in the evaluation sheet in time and return it to our main communication channel.

courses@IGS.LogDynamics.de



Comments from previous participants

'I like the discussion part in small group and time management.'

'The contents of the course are based on what students need by asking students what they face during the previous week.'

'Ideas for free writing were also impressive. I never thought of that before.'

'I am happy that I learned several methods for research activities.'