Academic Skills in Computer Science (ASiCS)

Dr. Sebastian Götz

LS Softwaretechnologie

Fakultät Informatik

Technische Universität Dresden

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http://st.inf.tu-dresden.de/teaching/asics

What this course is about

▶ You will learn and practice how to work scientifically

- From an initial idea

- Until a published thesis or paper

- Including its disputation in various forms

▶ Course adequate for all levels

- Bachelor

- Master

- PhD

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The Nature of this Course

▶ This course is not a typical lecture

▶ The German term "Vorlesung" originates from Middle Age

- Most people couldn't read
- The lecturer read out loud books for his/her students

▶ You can read yourself

▶ Hence, there is no need to read for you

▶ Instead:

- We will <u>discuss</u> specific topics
- You need to participate in these discussions
- There is no single truth → question the facts presented to you

Discussion

What are your expectations from this course?

Course Outline

Date	Topic
11.04.	What is science?
18.04.	Research Process
25.04.	Information Gathering
02.05.	Solution Processes
09.05.	Science and Value Systems
16.05.	Research Hypotheses
23.05.	Research Papers
30.05.	Writing Principles
06.06.	*Pentecost*
13.06.	Writing Principles II
20.06.	Reviewing a Paper
27.06.	Talking interestingly
04.07.	Writing Grant Proposals
11.07.	Writing a PhD thesis

Course Outline

▶ In the excercises you will conduct a literature study

Date	Excercise
13.04.	Finding a topic
20.04.	Present your ZOPP
27.04.	Discuss collected literature
04.05.	Discuss revisited body of literature
11.05.	Present your classification
18.05.	Discuss classified literature
25.05.	*Ascension Day*
01.06.	Discuss literature analysis results
08.06.	*Pentecost*
15.06.	Discuss your papers
22.06.	Discuss your reviews
29.06.	Poster presentations
06.07.	Oral presentations
13.07.	Buffer

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What's left for today?

► General information on

- Self-organization
- Types of scientific reports

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