Principles and Practices of Scientific Work and Soft Skills

Summer

(in German: Principles and Practices of Scientific Work and Soft Skills)

Module-ID: FIN-INF-120502

Abbreviation	Credit Points	Semester	Term	Duration	Language	Level
PPSW	6	Summer	starting at 1.	1 Semester	english	Master

Link:	LSF
Limited accessability:	
Responsibility:	PD Dr. Claudia Krull
Lecturer:	PD Dr. Claudia Krull
Classes:	• Lecture PPSW • Exercise PPSW

Applicability in curriculum:	- M.Sc. DKE: Fundamentals of Data Science - M.Sc. DE: Human Factors - M.Sc. DE: Schlüssel- und Methodenkompetenz (SPO 2027) - M.Sc. INF: Schlüssel- und Methodenkompetenz (SPO 2027) - M.Sc. WIF: Schlüssel- und Methodenkompetenz (SPO 2027) - M.Sc. VC: Schlüssel- und Methodenkompetenz (SPO 2027)

Intended learning outcomes:

- Students know how a Goal is defined and are able to formulate it properly. based on that students know methods for time management.
- Students understand important aspects of project management and teamwork, including phases and pitfalls.
- Students are able to conduct a systematic literature review in order to gain an overview of an area of interest.
- Students are able to identify and formulate research hypothesis
- Students understand how a scientific publication is structured, can read it and extract the important information.
- Students are able to write a research proposal on a selected topic in the form of a scientific publication.
- Students understand how to present a research topic proposal on a selected topic.

Content:
The course covers the following topics, among others:

- Introduction to Scientific Work
- Literature Research and Management Research Projects and Thesis Topics
- Scientific Writing - Thesis Structure and Writing Techniques
- Study Skills & Self Management
- Project Management & Team Work
- Presentation Skills

The project and term paper topic can be related to an ongoing research project or be used for Master’s thesis preparation.
Workload:
40 h in person teaching 140 h independent work

Pre-examination requirements:	Type of examination:	Teaching method / lecture hours per week (SWS):
participation in all classes completion of assignments keeping all deadlines	Report	Lecture (2 SWS) Exercise (2 SWS)

Prerequisites according to examination regulations:	Recommended prerequisites:
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Media:	Literature:

Comments:
participation is limited to 40

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