

Catalogue of Skills (examples)

(4 Skills à 2 ECTS / 60 h need to be delivered with a total workload of 240 h, which includes 60 h attendance in the two skills seminars)

Research Methods

- Simulation study
- Multivariate data analysis
- Modeling
- Graphics and visualization of data
- Programming of experiments or analyses
- Meta-analysis and quantitative reviews
- Recruitment (e.g.. Crowdsources, panels, new channels, etc.)
- Design of tests and procedures (construction of questionnaires, non-reactive procedures)
- Design experimental materials
- Literature search on own research question and derivation of appropriate study design
- Compilation of table of differences in operationalizations, study design, etc. in studies on the same research question
- Qualitative content analysis
- Comprehensive literature search on broader research topic

Open Science

- Replicability – constructive critique of studies
- Version control (code and data)
- Preregistration (study, meta-analysis)
- Data handling and sharing
- Research ethics - Evaluation of study with regard to ethical principles (APA ethics)
- Data protection, elaboration of related aspects for an extant or planned study
- Ethics proposal for submission to an ethics committee

Science Communication and Outreach

- Radio/television contribution in collaboration with media centre
- Press release
- Podcast
- Audience-design-projects: E.g., two podcasts on the same topic for two different target populations
- Guidelines for application-oriented questions (e.g., how to integrate images in texts, conditions of productive team work)
- Giving an interview on a scientific question (including preparatory literature research and synthesis, practice, etc.)
- Wikipage
- Article in popular journal
- Condense meta-analysis into a short review (e.g. for education clearinghouses for educational instructors)
- Participation in Citizen-Science projects

Scientific writing and working

- Conference presentation
- Design and presentation of poster (if possible on real conference)
- Design of complex data or results graphics

- Composition of research proposal
- Writing of (parts of) a scientific journal article
- Scientific translation
- Audience design-projects: Two intros (first 1.5 pages) of a study report for two different journals or two abstracts for two different conferences
- Peer reviewing
- Small study from A to Z

Teaching

- Mentoring for bachelor groups
- Catalogue of exam questions/quiz for a given topic
- Explanatory video on a scientific articles/effect
- Preparing Freibär report (evaluation of the process of preparing bachelor theses in different departments)
- Consulting on and correcting of student projects and reports
- Commenting on bachelor theses
- Design and offer course(s)
- Prepare slides and other visual aids for oral presentations
- Design or improve teaching materials

Application/Coaching

- Design an intervention
- Evaluation of interventions
- Project on organizational diagnostic
- Project on organizational development (e.g., consultation)
- Mentor in internal mentoring programme – report on experiences and collaboration in organization and conceptualization of the programme