

PhD General Pedagogy, Social Pedagogy, General Didactics and Disciplinary Didactics
38. cycle

Course title:	Einführung in die Wissenschaftstheorie Introduction to the philosophy of science Introduzione alla filosofia della scienza
Course year:	1.
Semester:	
Course Code:	15138A
	Methodological courses and seminars 1st study year
Scientific sector:	multidisciplinary
Lecturer:	Elsen Susanne
Module:	Yes
Module Credit Points:	32
Total lecturing hours:	4
Attendance:	according to the regulations
Teaching Language:	German, English, Italian
Propaedeutic course:	
Course description:	The course aims to introduce and discuss new theoretical and methodological approaches and their implications for research and development in social sciences and humanities in a critical way.
Specific educational objectives:	
List of topics covered:	<p>Recent positions in philosophy of science, their protagonists and implications for research</p> <ul style="list-style-type: none"> • New Critical Theory • Constructivism • Grounded theory <p>New approaches to research in social sciences and humanities and implications for research</p> <p>Transdisciplinary research and development (Schneidewind)</p> <p>Research beyond mainstream (Kirby/Read/Greaves)</p> <p>Re-Thinking Science, (Nowotny, Scott & Gibbons)</p> <p>Postnormal science (Ravetz)</p> <p>Community based action research (Bradbury)</p>
Teaching format:	Frontal, Group discussion, Readings,
Learning outcomes:	<p>The blocks are integrated and provide the following learning outcomes:</p> <ul style="list-style-type: none"> • Knowledge and understanding: Knowing and understanding new approaches, their societal background and implications; introduction to epistemology and orientations in theory of science. • Applying knowledge and understanding: Being able to construct research questions- and research settings, that fit with the approaches (f.i. participatory research); analyzing case studies and finding the scientific source of information.

	<ul style="list-style-type: none"> • Making judgments: Critical position to research context and its methodological implications; being able to pick up controversial issues, develop an appropriate understanding of complex topics, which require an interdisciplinary approach. • Communication skills: Being able to describe different philosophical positions and the reason of new approaches; being able to communicate scientific issues to an enlarged society; being able to communicate to different public. • Learning skills: Learning to develop an own position on the base of theoretical and methodological knowledge; Learn to learn, developing appropriate learning skills based on the capacity to grow learning competences.
Assessment:	oral discussion and reflection on the topics presented
Evaluation criteria and criteria for awarding marks:	scholarly thinking
Required readings:	Nowotny, Scott, Gibbons: Re-Thinking Science Knowledge in an Age of Uncertainty
Supplementary readings:	Kirby, greaves & Reid: Experience Resesearch