

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

<b>Course title:</b>	Einführung in die Wissenschaftstheorie Introduction to the philosophy of science Introduzione alla filosofia della scienza
<b>Course year:</b>	1.
<b>Semester:</b>	1st and 2nd
<b>Course Code:</b>	15113A
	Methodological courses and seminars 1st study year
<b>Scientific sector:</b>	multidisciplinary
<b>Lecturer:</b>	Elsen Susanne, Keiner Edwin
<b>Module:</b>	Yes - number of modules: 7
<b>Module Credit Points:</b>	25
<b>Total lecturing hours:</b>	10
<b>Attendance:</b>	according to the regulations
<b>Teaching Language:</b>	German, English, Italian
<b>Propaedeutic course:</b>	
<b>Course description:</b>	<p>Prof. Dr. Elsen: The course aims to introduce and discuss new theoretical approaches and their implications for research and development in social sciences and humanities in a critical way. It follows the general introduction in philosophy of science.</p> <p>Prof. Dr. Keiner: The first parts of the course introduces into basic terms and concepts of research and into best practice examples of sound research. It lays the seed for and the ground of traditional philosophy of science beyond more recent variations, positions and approaches.</p>
<b>Specific educational objectives:</b>	
<b>List of topics covered:</b>	<p>Prof. Elsen:</p> <ul style="list-style-type: none"> <li>Positions in philosophy of science, their protagonists and implications for research</li> <li>• Positivism</li> <li>• Critical Theory</li> <li>• Hermeneutics</li> <li>• Phenomenology</li> <li>• Constructivism</li> <li>• Grounded theory</li> </ul> <p>New theoretical approaches in Humanities and Social Sciences and their implications for research and development</p> <ul style="list-style-type: none"> <li>• Theory of communicative processes (Habermas)</li> <li>• Theory of Modernization (Beck)</li> <li>• Capability approach (Sen/Nussbaum)</li> <li>• Actors Network Theory (Latour)</li> </ul> <p>New approaches to research in social sciences and humanities and implications for research</p> <ul style="list-style-type: none"> <li>• Research beyond mainstream (Kirby/Read/Greaves)</li> <li>• Beyond Methods (Feyerabend)</li> <li>• Re-Thinking Science, mode-2 society, mode 2</li> </ul>

	<p>Prof. Keiner:</p> <ol style="list-style-type: none"> <li>1. Introduction into basic literature and basic concepts of philosophy of science; linguistic and cultural variations and translations.</li> <li>2. Epistemology, methodology, theory of knowledge, research practice. The concept of "truth", of causality, correlation and probability. Research ethics.</li> <li>3. Basic concepts and rules of the research process; differences between qualitative and quantitative procedures, forms of justification and documentation.</li> </ol> <p>Expectations regarding sound scholarly research; criteria of evaluation and peer reviewing as examples; recommendations regarding publishing in high quality scholarly journals.</p>
<b>Teaching format:</b>	Frontal, Group discussion, Readings,
<b>Learning outcomes:</b>	<p>The blocks are integrated and provide the following learning outcomes:</p> <ul style="list-style-type: none"> <li>• <b>Knowledge and understanding:</b> Knowing and understanding new approaches and their implications; introduction to epistemology and orientations in theory of science.</li> <li>• <b>Applying knowledge and understanding:</b> 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.</li> <li>• <b>Making judgments:</b> 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.</li> <li>• <b>Communication skills:</b> 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.</li> <li>• <b>Learning skills:</b> 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.</li> </ul>
<b>Assessment:</b>	oral discussion and reflection on the topics presented
<b>Evaluation criteria and criteria for awarding marks:</b>	scholarly thinking
<b>Required readings:</b>	
<b>Supplementary readings:</b>	