



## Knowledge and philosophy of science (CB-012)

(TEADMINE JA TEADUSFILOSOOFIA)

### SUBJECT DESCRIPTION

<b>Credits (ECTS)</b>	5.00 ECTS
<b>Assessment</b>	grading
<b>Aim of the subject and short description</b>	
<p>Introduction to philosophy of science. Basic understanding of: a) knowledge and cognitive processes, b) ontology and epistemology. The connection between philosophy of science and research methodology. Introducing a) inductive, deductive and adductive research methods and b) the contradiction between ideographic and nomothetic traditions. Postmodernism and its rebellion against dichotomies (contradiction) in e.g. anthropology, organization studies etc. Introduction to social constructionism and applied strategies for circumvent the contradiction between the perceiving subject and the object studied. The study of nature: a) applied nomothetic methodology, b) ethical discussion in science and c) philosophy of technology: the technology concept &amp; its previous and temporary significance. The study of the human beings (introduction to arts &amp; humanities). The subject, culture &amp; collaborations in minor groups. Introduction to methodology: hermeneutics and phenomenology. The study of society. A study divided between ideographic, nomothetic and postmodern approaches. Research on society based on the new systemic approach. Ideographic approach limits and opportunities when applied for the study of society.</p>	
<b>Learning outcomes:</b>	
<p>Student:</p> <ol style="list-style-type: none"><li>1. is able to work within the fields of arts &amp; humanities, science and social science.</li><li>2. understands knowledge and cognitive processes</li><li>3. knows the connections between philosophy of science and research methodology</li></ol>	