

Course description

METHODOLOGY AND SCIENCE THEORY

1. Programme:	Bachelor's degree in Innovation and Entrepreneurship
2. Course:	Methodology and Science Theory
3. Semester:	Spring, first year
4. Credits:	5
5. Course coordinator:	Professor Jon-Arild Johannessen
6. Number of contact hours:	The lecturer is obligated to have 50 lecture hours with the class in the classroom.
7. Prerequisites:	General admission requirements
8. Course description:	The course explores what is meant by true knowledge in a scientific context, and which strategies and methods are employed in order to develop knowledge. The course provides the fundamental principles of scientific strategy, qualitative and quantitative methods, and an overview of the philosophy of science.
9. Aim:	The aim of the course is to provide students with a fundamental understanding of what is meant by knowledge in a scientific context and scientific strategy. Students will be given an introduction to the philosophy of science.
10. Subject overview:	Scientific theory Qualitative methodology Quantitative methodology Philosophy of science How to write a scientific thesis
11. Implementation	Project-based learning: Students will design, implement and present constructed and real projects.
12. Assessment (mid-term and final evaluation):	At the end of the course, students will hand in a project assignment counting 60 % towards the final grade. An individual exam will count 40% towards the final grade.
13. Required reading with number of pages and	Johannessen, Jon-Arild & Johan Olaisen (2006) <i>Vitenskapsstrategi og vitenskapsfilosofi</i> 240 pages, price

<p>price for book/fascicle:</p>	<p>kr. 230 Bjørkum, Per Arne (2003) <i>Annerledestenkerne: en reise i vitenskapens historie</i>. Oslo: Universitetsforlaget, 250 pages, price kr. 230.</p> <p><u>Compendium of articles:</u> ASPECTS OF ETHICS IN SYSTEMIC THINKING Jon-Arild Johannessen, Ph.D., professor Bodø Graduate School of Business, Lillehammer College and Agder Research Foundation, Norway.</p> <p>ASPECTS OF CAUSAL PROCESSES IN SOCIAL SYSTEMS (Discussions of methodology) Jon - Arild Johannessen, Ph.D., Professor, Bodø Graduate School of Business, Lillehammer College, and Agder Research Foundation, Norway.</p> <p>OM PROSJEKT HVORDAN PLANLEGGE, GJENNOMFØRE OG PRESENTERE PROSJEKTOPPGAVER, UTREDNINGER OG FORSKNING JON-ARILD JOHANNESSEN OG JOHAN OLAISEN</p>
<p>14. Recommended reading:</p>	<p>Mehmetoglu, Mehmet (2004) <i>Kvalitativ metode for merkantile fag</i>. Bergen: Fagbokforlaget, 200 pages, price kr. 180</p>