The Faculty of Psychology
PhD obligatory course in the design and conduct of research 2013

Reading list

1. Philosophy of the sciences

Jan Reinert Karlsen's teaching will presuppose reading of:

Merton, Robert K., “The Normative Structure of Science”, in: The Sociology of Science: Theoretical and Empirical Investigations, 167-178. The University of Chicago Press. (This has also been published under a number of other titles; it is his classic recurrent theme of the Ethos of Science). (This article will be sent to course participants)

and:

Taylor, Charles., “Interpretation in the Sciences of Man”, del I og del IV E.D. Klemke, Robert Holliger & David Wýss Rudge: Introductory Readings in the Philosophy of Science. Prometheus Books, 1998, s. 110-127. (This article will be sent to course participants)

and:

The National Guidelines for Research Ethics in Science and Technology, see: http://www.etikkom.no/no/Forskningsetikk/ Etiske-retningslinjer/ (English pages: http://www.etikkom.no/en/In-English/)

"Vitenskapsteori" - "theory of science" - is a broader category than "philosophy of science", and the course is in vitenskapsteori rather than only philosophy of science.

(a) For those who wish to focus on philosophy of science, we recommend either of the following readings:


or:


(b) For those who wish to focus on the current interface between science, politics and society, we recommend the following reading:

(c) For those with their main interest in natural science research traditions, and who wish to focus on the history of science, we recommend:

Shapin, Steven, Den vitenskapelige revolusjon (Spartacus, 1999)

(d) For those who have other main interests, please contact SVT, Jan.Karlsen@svt.uib.no for advice on readings.

Recommended reading for repetition of ex. phil. curriculum / background level of knowledge for those who lack ex. phil.:


or


or

Chalmers, A. F. What is this thing called science? Buckingham: Open University Press, 1999. (exists in other editions and languages, including Swedish).

Additional readings in philosophy of the sciences will be suggested individually to the participants, tailored to their specific interests and needs. All participants are welcome to consult the lecturers before, during or after the course.

2. Ethics


(In Norwegian: http://etikkom.no/no/Forskningsetikk/Etiske-retningslinjer/Medisin-og-helse/Helsinki-deklarasjonen/)

The International Committee of Medical Journal Editors (ICMJE) (The Vancouver convention): Uniform Requirements for Manuscripts Submitted to Biomedical Journals: Writing and Editing for Biomedical Publications: http://www.icmje.org/


3. Dissemination


Optional reading list:


4. Planning of research


5. Methodology

(a) Quantitative methods


Hugdahl, K. (1988). Design of Experiments in Psychology, Sigma Forlag. (This article will be sent to course participants)


Optional reading list:


(b) Qualitative methods


Optional reading list:


(c) Research design, mixed methods

Optional:

Tones, K. Beyond the randomized controlled trial: A case for judicial review. Health Education Research, 12(2), 161.


