IC2003 Research Methodology and Scientific Communication 7.5 credits

Forskningsmetodik och vetenskaplig kommunikation

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for IC2003 valid from Autumn 2009

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Specific prerequisites

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

- be able to locate and summarize scientific literature
- understand and apply correct ways of referencing to and citing from scientific literature
- be able to discuss and explain the differences between different methodologies
- be able to find relevant literature
- be able to analyze, contrast, compare and criticize scientific literature
compose a report with a coherent line of reasoning
- be able to apply and use scientific methods
- be able to assess the quality of scientific literature
- be able to discuss the student's own position relative to the research conducted

Course contents

This course will introduce and provide practice of the basic problems in scietific communication and research methodology. These include:
- finding a research theme, problem and specific question
- finding and valuing scientific literature
- reasoning and structuring an argument on different levels
- presentation techniques
- citing, referencing and paraphrasing
- data types, gathering data, data analysis
- quantitative methods and analysis
- qualitative methods and analysis

Disposition

Lectures, seminars.

Course literature

Preliminary

Wayne C. Booth, Gregory G. Colomb, and Joseph M. Williams: The Craft of Research (Upplaga: 3rd Edition), The University of Chicago Press - Chicago Guides t, 2008

Example articles (electronically)

Recommended literature:
Data Collection and Analysis, Victor Jupp and Roger Sapsford (Eds.)
Upplaga: 2nd Edition, Förlag: Sage, År: 2006

Examination

- INL1 - Assignment, 1.5 credits, grading scale: P, F
- INL2 - Assignment, 1.5 credits, grading scale: P, F

- INL3 - Assignment, 1.5 credits, grading scale: A, B, C, D, E, FX, F
- INL4 - Assignment, 3.0 credits, grading scale: A, B, C, D, E, FX, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.