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 2008

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

After having completed the course the student shall:- be able to find, locate and summarize relevant scientific literature- understand and be able to apply correct ways of referencing to and citing from relevant scientific literature- be able to analyse, contrast, compare, criticize including assessing the quality of scientific literature- be able to independently carry out a large research and development task- be able to compose and defend a report with a coherent line of reasoning- be able to discuss, select, apply, and use relevant scientific methods- be able to prepare and conduct a short, oral presentation of one's own scientific research- be able to write a short presentation of one's own scientific research- be able to reflect on own conducted piece of research including a discussion of future research

Course contents

Lectures and seminars onresearch methodology and publication of scientific resultsformulating the research problemsearch and asses scientific literatureresearch methodology, datatypes, data collection and analysisquantitative and qualitative methodsstructure of scientific reports and language

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.

Other requirements for final grade

Grading scheme A-F for the whole courseresearch proposal, 1.5p (written report) (P/F)presentation of research results, 1.5p (oral presentation) (P/F)opposition on another group's report 1.5p (written report) (A-F)research report, 3.0p (written report) (A-F)All reports have deadlines during the course. Research report can be complemented within one year of the end of the course. Research proposal, report, and presentation of the results is carried out in groups of at most 3 persons. Opposition is carried out individually.

Grades for the research report and opposition are weighted together to form the final grade for the course.

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.