



# DH2605 Science, Technology and Learning, part II, incl Teaching Practice 4.5 credits

Vetenskap, teknik och lärande, del II, inkl VFU

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

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

## Establishment

Course syllabus for DH2605 valid from Spring 2009

## Grading scale

P, F

## Education cycle

Second cycle

## Main field of study

## Specific prerequisites

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## Language of instruction

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

## Intended learning outcomes

The course objectives are to give the students

- experience of pedagogic expression in different forms (such as experimental method, as well as analysis of its advantages and disadvantages);
- better knowledge of their subjects which will give the student competence to perform and lead instruction functions in and outside school;
- inspiration to teaching and school work through the plurality found in formal teaching environments outside school and discover possibilities to cooperation between these environments and elementary and secondary school;

in order that the student will

- identify technology and natural science as topic of knowledge in relation to other fields of knowledge and to society;
- apply a teaching model where experimentation as method or other experience oriented teaching is central to communication and learning;
- plan, execute and evaluate pedagogical information to the public on natural science and technology;
- relate, contrast and explain practical results with theoretical pedagogical and didactical concepts and models
- describe, analyze and reflect upon ones' own project work both verbally and in writing.

At the beginning of the course there will be a discussion with the students how to reach the objectives.

## Course contents

The course includes pedagogic work performed in formal learning environments primarily outside traditional school (such a science centres and museums, but also in elementary and secondary school). The course also includes examining, executing and evaluating practical teaching.

## Course literature

To be announced at course start.

## Examination

- ANN1 - Essay, 4.5 credits, grading scale: P, 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.

## **Other requirements for final grade**

The course is assessed through a pedagogical portfolio containing documentation, reading log, and a short reflective essay (ANN1; 4,5 university credits).

## **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.