



# FBB3140 Practical Didactics - House of Science 10.0 credits

Praktisk didaktik - Vetenskapens hus

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 FBB3140 valid from Autumn 2010

## Grading scale

## Education cycle

Third cycle

## Specific prerequisites

Enrolled research student at the School of Biotechnology

## Language of instruction

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

## Intended learning outcomes

The aim of the course is to develop the practical pedagogic skills of research students from the School of Biotechnology. The course will give insight into how to employ pedagogic methods

to share biotechnology knowledge in an efficient way through oral presentations, seminars, guided tours, practical demonstrations etc. After completed course the PhD students should have gained methodology and confidence as a scientific presenter. The course aims to prepare PhD students for future requirements to perform scientific presentations, and give seminars in an informative and “selling” manner.

## Course contents

The student will take part in the development of experiments and hands-on activities based on the ongoing projects at House of Science. This means that the student will prepare and perform oral presentations, as well as practical demonstrations, supported by appropriate visual media (Power Point presentations, posters etc). The course could include the development of laboratory experiments. Planning and performance of informative guided tours is another part of the course. Literature about Science communication and Teaching science is included and will be provided. A certain level of information searching is also part of the course.

## Disposition

The course consists of 20% presence at the House of Science, for one semester (either fall or spring). This is typically planned as one day per week. Only one student takes the course each semester. The detailed course planning will be continuously done by the course leader, together with the research student. Feedback concerning the performance of the student will be provided during the course by the course leader.

## Course literature

As suggested by the course leader

## Examination

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

Examination is based on an oral examination by the examiner about the practical pedagogic methods that was used. A written report, describing the pedagogical efforts used and including an interview-based evaluation of how the information was received by the target group, is required as part of the examination.

## 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.