



# LT1042 Programme Integrating Course in Engineering and Education, year 2 1.5 credits

Programsammanhållande kurs för civilingenjör och lärare, årskurs 2

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

On 2021-10-15, the Head of the ITM School has decided to establish this official course syllabus to apply from autumn semester HT2022, registration number: M-2021-1885 Revision: M-2024-2049. Revision date: 2024-10-17.

## Grading scale

P, F

## Education cycle

First cycle

## Main field of study

## Specific prerequisites

LT1041 Programme coherent course for Master of Science and Teaching, year 1 completed.

## Language of instruction

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

## Intended learning outcomes

After passing the course, the student should be able to:

1. Reflect at the higher level, where underlying causes are also examined, and use methods to plan his/her studies in the short and long term.
2. Based on one year of studies in the programme, relate the progression in subject knowledge and skills to the objective of the education and the future professional roles.
3. Analyse and take a stand on social and ethical questions in technology and educational sciences and justify this position.
4. Make oral presentations within mathematics.

## Course contents

This is one of three courses taught in grades 1-4 of the Master of Science and Teaching programme. Only one course can be taken per year, but the courses are co-taught so that students can meet across year and specialisation boundaries. The course aims to make students better learners by showing how the programme's courses fit together and giving each student the opportunity to reflect on their study situation and current courses. It creates links between grades and with teachers, and it also has a programme quality development function. The course consists of regular reflection seminars in small groups across grades, lectures and exercises in rhetoric.

## Examination

- SEM1 - Seminars and assignments, 1.5 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

Active participation in all compulsory activities.

## 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.