



# FAH3906 Railway Track Technology 7.5 credits

## Banteknik

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 FAH3906 valid from Autumn 2011

## Grading scale

## Education cycle

Third cycle

## Specific prerequisites

Meet the requirements for PhD studies.

## Language of instruction

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

## Intended learning outcomes

Upon completion of the course, the student will be able to understand:

- the basics in design and construction of railway tracks
- geometry and substructure of tracks, track material selection, vibrations and track damages
- basic concepts on the operation and maintenance of railway tracks, railway bridges and tunnels

## Course contents

The course covers the basics for design, construction, operation and maintenance of railway track and track substructures.

## Course literature

Kurskompendium.

## 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.

P/F

## Other requirements for final grade

Exam and project work.

## 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.