



FAF3816 Scientific Engagement in Transport Science 3.0 credits

Vetenskapligt engagemang i transportvetenskap

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

Establishment

The course syllabus is valid from Autumn 2023 according to the Head of school decision: A-2023-2833, 3.2.2 Decision date: 2023-11-23

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Eligibility for the doctoral program Transport Science.

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 shall be able to:

- Communicate orally own research results and their societal implications.
- Participate in a sufficiently wide number of scientific and social science activities to disseminate research results.
- Be able to give an account of how the experience from conference or seminar presentations contributed to developing one's own ability to communicate and defend scientific results, as well as whether valuable information could be obtained that helped one's own studies forward.
- Participate in supervision of students on e.g. bachelor's or master's level.
- Be able to account for and reflect on various aspects of own efforts in student supervision, as well as reflect on how roles, personal dynamics and supervision techniques can affect the outcome in learning and interaction.
- Analyze future development directions in the selected research area and outline a short-term research agenda.
- Be able to question, evaluate and adapt one's perception of one's own state of knowledge and ability in relation to the prevailing knowledge front.

Course contents

The course is intended to encourage students to participate in a sufficient amount of scholarly communication activities and to communicate in oral and written form original research findings and their societal implications to others, as well as supervising other students in scientific and/or practical projects. The course also provides practice in analyzing future directions within the chosen field and presenting a short-term research agenda, as well as making research ethical judgments in one's own research. The following skills and subjects are taught:

- Oral presentation of research at national and international academic conferences
- Written or oral presentation of research for a non-academic audience
- Supervision of other students
- Written analysis of future directions within the chosen field and a short-term research agenda

Examination

- PRO1 - Project assignment, 1.0 credits, grading scale: P, F
- PRA1 - Practical training, 2.0 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.

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

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.

Additional regulations

FAH3462 is partly overlapping with 2 credits regarding PRA1.