



FAK3149 Methodology of Modal Modelling 7.5 credits

Metodik för modal modellering

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

Establishment

Course syllabus for FAK3149 valid from Autumn 2020

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Eligibility for PhD studies

Language of instruction

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

Intended learning outcomes

Surveys modelling strategies by which scientists investigate different kinds of possibilities. Investigates philosophy of science accounts of these practices and their purposes, especially

so-called how-possibly explanations. Connects this to ongoing efforts in modal epistemology to identify the condition under which one can know that something is possible.

Course contents

Students will be able to describe exemplary practices of scientific modal modelling. They can account for these practices with the conceptual frameworks offered by philosophers of science, and are able to evaluate whether conclusions drawn from such modelling projects are justified or not. They will be able to transfer these accounts and assessments to their own field of study, and apply this knowledge to competently investigate a particular case of modal modelling from this field.

Examination

- UPP1 - Essay, 4.5 credits, grading scale: P, F
- DEL1 - Participation, 1.5 credits, grading scale: P, F
- INL1 - Hand in assignment, 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.

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.