FAK3128 Informal Decision Theory 7.5 credits

Informell beslutsteori

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

The course syllabus is valid from autumn 2023 accordning to Head of school decision A-2023-2258, 3.2.2.Decision date: 2023-11-06

Decision to discontinue this course

The course is discontinued at the end of the autumn semester 2023 accordning to Head of school decision A-2023-2258, 3.2.2.Decision date: 2023-11-06

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

After finishing the course the student should be well acquainted with the decision-theoretical problems that arise when there is uncertainty about other aspects than probabilities and utility functions. The student should also be able to use some of the tools that have been proposed for analyzing and practically dealing with this type of problem.

Course contents

Uncertainty analysis, dealing with decision relevant value uncertainty, rational goal-setting, framing, temporal decision strategies.

Examination

- UPP1 - Written report, 7.5 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

Essay (UPP1 7,5 hp)

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.