



FAG3186 Transport Policy 4.5 credits

Transportpolicy

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 according to the Head of school decision:
A-2023-2487,3.2.2 Decision date: 2023-10-23

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Admission to relevant doctoral program: Approved courses of at least 60 ECT in the subject areas of transportation systems, civil engineering, urban planning, economics, computer science, physics, applied mathematics, or other subjects deemed directly relevant.

Proficiency in English equivalent to English 6.

Language of instruction

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

Intended learning outcomes

- Identify relevant policy measures and strategies to address transport oriented problems and discuss their effectiveness in relation to societal objectives
- Discuss the underlying principles for different appraisal frameworks
- Explain and apply the principles of cost-benefit analysis to make economic appraisals of transport improvement projects
- Account for advantages and limitations of cost-benefit analysis
- Account for methods for non-market valuation, and discuss their strengths and limitations
- Use relevant equity measures to account for distributional impacts of different transport policies, and discuss their strengths and limitations
- Identify important barriers to implementation of transport policies in different contexts, and discuss means to address such barriers.
- Discuss the complexity of behavioral response towards implemented policy

Course contents

This course is geared toward providing an overview of methods used by transport planners for project and policy appraisal and evaluation. Main content of the course includes: Project and policy appraisal methods (cost benefit analysis, risk analysis, MCDA), principles of transport economics, non-market valuation, equity measures, and sustainability issues.

Examination

- SEM1 - Seminar, 2.5 credits, grading scale: P, F
- TEN1 - Written exam, 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.

Seminars consist of both mandatory assignments and active and approved participation in seminars. Seminars may, to a limited extent, be replaced with supplementary tasks.

Other requirements for final grade

Participation at more than 75% of seminars is mandatory. One seminar can be replaced with a supplementary written assignment.

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.