



AH2305 Rumslig och transportekonomi 7,5 hp

Spatial and Transport Economics

När kurs inte längre ges har student möjlighet att examineras under ytterligare två läsår.

Fastställande

Kursplan för AH2305 gäller från och med HT08

Betygsskala

A, B, C, D, E, FX, F

Utbildningsnivå

Avancerad nivå

Huvudområden

Särskild behörighet

A Bachelor's degree in engineering, science, economics, or planning or at least 60 credits in mathematics, physics, statistics or computer science; course AH2301 Transport Policy and Evaluation or an equivalent course.

Undervisningsspråk

Undervisningsspråk anges i kurstillfällesinformationen i kurs- och programkatalogen.

Lärandemål

After the course, the student should be able to:

- Account for fundamental micro economic principles applicable to the analysis of transport policy issues.
- Apply these principles to a selection of policy issues.
- Identify and account for various market structures including monopoly markets.
- Account for regulation and deregulation in different transport markets.
- Account for welfare effects of pricing principles and investment.
- Explain the fundamental urban economics model and its implication for urban density and land rents.
- Explain some transport and land use models and discuss their usefulness and applicability.
- Describe principles for firm and retail location and account for their implications.
- Describe and apply basic principles of normative facility location.

Search for relevant literature for some policy issue in spatial and transport economics and describe and discuss this issue orally and in writing

Kursinnehåll

- Fundamental principles of micro economics applied to transport issues.
- Competition and monopoly in transport markets.
- Regulation and deregulation in transport markets.
- Welfare effects of pricing and investment.
- Introduction to urban economics.
- Transport and land use in urban areas.
- Urban land and housing markets.
- Firm and retail location.
- Fundamental principles of normative facility location.

The content of the course is presented and exercised in lectures. In a minor project assignment the student will enhance her/his understanding of the material by analysing some relevant policy issue that will be presented orally and in writing.

Kurslitteratur

The latter part of P. S. McCarthy, 2001, *Transportation Economics: Theory and Practice: a Case Study Approach*, Blackwell Publishing. Additional course literature will be announced at the course start.

Examination

- PRO1 - Projekt, 2,5 hp, betygsskala: A, B, C, D, E, FX, F
- TEN1 - Tentamen, 5,0 hp, betygsskala: A, B, C, D, E, FX, F

Examinator beslutar, baserat på rekommendation från KTH:s handläggare av stöd till studenter med funktionsnedsättning, om eventuell anpassad examination för studenter med dokumenterad, varaktig funktionsnedsättning.

Examinator får medge annan examinationsform vid omexamination av enstaka studenter.

Övriga krav för slutbetyg

A mandatory written examination, TEN1, equivalent to 5 credits with grading scale A-F and a mandatory project assignment, PRO1, equivalent to 2.5 credits with grading scale A-F. The final grade of the course according to the grading scale A-F is determined as the weighted average of TEN1 and PRO1.

Etiskt förhållningsätt

- Vid grupparbete har alla i gruppen ansvar för gruppens arbete.
- Vid examination ska varje student ärligt redovisa hjälp som erhållits och källor som använts.
- Vid muntlig examination ska varje student kunna redogöra för hela uppgiften och hela lösningen.