

KURS-PM
Course Memo
FAG3185

HT 2023

Nov 6 2023

Contact

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Content

1. The theoretical foundation of four step models and its variant
2. Integrated land-use and transport interaction.
3. Assignment for car and public transport.
4. Theory for accessibility analysis.
5. Applying four step models for policy evaluation targeting changes in transport and land use systems.

ILO

- Describe theoretical foundation for the four step model.
- Use the four step model for a simple policy analysis, describe its data requirements, advantages and limitations.
- Describe and apply network equilibrium and assignment for car and public transport.
- Apply a four step model for analysing integrated transport and land-use policies to ecological, economical and social sustainability.
- Critically, creatively and independently formulate relevant complex societal challenges to ecological and social sustainability.

Literature

- OW: Ortuzar and Willumsen, Modelling Transport, 4th edition
- Train: Discrete Choice Methods with Simulation
- vW: van Wee et al (ed): The transport system and transport policy
- MG: A Methodological Guidebook
- SIC: A Self Instructing Course in Mode Choice Modeling: Multinomial and Nested Logit Mode, [Koppelman and Bhat \(2006\)](#).

Course requirements

Formally:

- Seminars SEM1
- Written examination TEN1

Seminars

The seminar (SEM1) is decomposed into two parts.

- 2 group seminars,
- Individual oral assessment

GROUP SEMINARS

- Seminars are mandatory.
- You are required to actively participate in two (2) group seminars
- To *participate* in the group seminar you need to have
 - completed the exercises (which will form the basis of assessment)
 - when applicable, submitted assignments *before noon on the first work-day before the seminar*
- Active participation is required, students will be given questions, or topics for discussion, by the instructor during the seminar.

Seminars (continued)

- All seminars are assessment activities, as well as a learning activity
- At a group seminar, individual Modules will be assessed.
- The topic of each group seminar is communicated in Schedule.
- The group seminar is based on the literature and exercises

Follow-up seminars

- You will need to complete two group seminars.
- If you miss a group seminar, then you are required to attend a follow-up seminar.
- The follow-up group seminars will be scheduled as required in the period Dec 5-Dec 20, and Jan 8-Jan 12.
- There is a re-take period April 11-22
- No assessment activities will take place after this date.

Individual oral assessment

- To participate in individual oral assessment, *participation* in (i) two group seminars *and* (ii) the written examination is required.
- Time-slots for scheduling of individual oral assessment will be found on Canvas course web.
- Individual oral assessment will be scheduled in the period Jan 16-23 2024
- There is a re-take period April 11-26
- No assessment activities will take place after this date.
- Individual feedback on written exam will also be provided, when applicable, in conjunction with individual oral assessment

Individual oral assessment

- Feedback after the first oral assessment is given no later than the next (work-) day.
- The feedback will include either "passed" or "follow-up". In the latter case, a follow-up individual assessment will be scheduled.

Individual oral assessment

Based on learning objectives:

- Clearly perceived and understood the essence of the posed questions.
- Were able to articulate a coherent response that integrates pertinent theoretical concepts and methodological tools, using proficient mathematical notation
- Where applicable, were able to describe the implementation of these concepts and tools.

Grading

- All learning objectives are examined at seminars, individual oral assessment, and written examination
- Exception: Traffic assignment will not be addressed at group seminars
- Only PASS/FAIL
- To pass the Seminar (SEM1): both the group seminars and the individual oral assessment needs to be passed.
- To pass the course, both the Seminar (SEM1) and Written examination (TEN1) needs to be passed.

FX

- If the grade FX is given, then a new examination task or assessment activity will be given.
- The order of events are
 - The student is notified about the grade FX
 - The student needs to contact the examiner as soon as possible
 - Instructions of a new assessment activity will given and scheduled

More on examination

- 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.
- Exceptions from the schedule of examining activities can only, for assessment of individual students, be allowed after agreement with the examiner.

Plussning

- Not Applicable

Ethical approach

- It is allowed to cooperate. Each student is responsible for all submitted documentation, when applicable.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, including seminars, every student shall be able to present and answer questions about the entire assignment and solution.

Written examination

- No aids allowed.
- Personal belongings such as mobile phones, smart watches and other electronic devices are not allowed.
- The student is obligated to access and adhere to the provided instructions regarding the examination. Failure to follow the instructions (either from examiner, invigilator, or written) may result in disciplinary consequences such as a warning or suspension.

On instructions wrt examination

The student is obligated to access and adhere to the provided instructions regarding the examination. Failure to follow the instructions may result in disciplinary consequences such as a warning or suspension.

Studenten är skyldig att ta del av och följa givna instruktioner om vad som gäller vid examinationen. Det kan leda till disciplinära påföljder i form av varning eller avstängning om studenten inte följer instruktionerna.

On examination, in general

- Students who, with unauthorized aids or otherwise, attempt to mislead the exam or when a student's performance is otherwise to be assessed, may be subject to disciplinary action.
- This includes, but is not limited to, plagiarism, see next page.

On plagiarism

Plagiarism is defined as “submitting someone else’s work as one’s own”. The activities listed below are to be regarded as examples and not as a comprehensive description of what can be defined as plagiarism.

- Copying of text, problem solutions, computer programs, drawings/diagrams and pictures without citing the copied material and without specifying the source. Copying other students’ work without acknowledgment is also defined as plagiarism.
- Using ideas, data or other material without specifying the source, for example, if a student reads about someone’s discoveries and insights and uses these without specifying the name of the book (publication) or the name of the author of the source. The exception from this rule is what can be regarded as general knowledge in the field in question.
- Summarising or rewriting a text without the writer essentially changing the original. If the source material is rewritten in the student’s own words, the student’s text must include indications of the original source. The only exception is if the newly written text contains general knowledge in the field in question; however, even in this case, citation and source referencing may be useful as a way of increasing the student’s credibility as a writer.
- Too close cooperation with other students in a piece of work that is meant to be the student’s own work, i.e., the student uses another student’s discoveries and insights in his/her work without specifying this.
- Translating a piece of work without stating the original source.

How to avoid cheating and plagiarism

- See

<https://www.kth.se/en/student/stod/studier/fusk-1.997287>