AH1024 Traffic Management and Operation 7.5 credits

Styrning av trafiksystem

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

Establishment

Course syllabus for AH1024 valid from Autumn 2012

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

AH1021 Urban and traffic planning or equivalent.

Language of instruction

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

Intended learning outcomes

The course provides a basic understanding of the general principles for design, management and control of operation of transport systems. It emphasizes general principles and methods which are applicable to all modes of transport, passenger and freight, urban and intercity. The course will also introduce tools for evaluating alternative designs for transport system operations.

Course contents

- General principles for transport systems operations
- Components of transport systems
- Development of operations plans
- System operations and management
- Case studies focusing on the development and evaluation of alternative transports systems and services.

Course literature

- Kompendium om Kollektivtrafik i städer
- Kursmaterial från Tågtrafikgruppen.
- Artiklar som delas ut / läggs på Bilda under kursen.
- Vägar och gators utformning (VGU). Vägverket 2004.

Examination

- PRO1 - Project, 3.5 credits, grading scale: A, B, C, D, E, FX, F
- TEN1 - Examination, 4.0 credits, grading scale: A, B, C, D, E, FX, 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.

- TEN1 - Written exam, 4.0 ECTS credits, grading scale: A-F
- PRO1 - Assignment, project, 3.5 credits, grading scale: A-F

Other requirements for final grade

Completed exam, (TEN1, 4.0 credits and exercise-and project work (PRO1;3.5 credits).

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.