



# AG2144 Sustainable Urban Mobility 7.5 credits

Hållbar urban mobilitet

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

Course syllabus for AG2144 valid from Autumn 2021

## Grading scale

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

## Education cycle

Second cycle

## Main field of study

Built Environment

## Specific prerequisites

In total 180 ECTS-credits within the subject architecture, landscape architecture, physical planning, the built environment, environmental engineering, computer science, geoinformatics, urban and regional planning, geography or other social or natural science degree relevant for the course.

English 6

# Language of instruction

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

## Intended learning outcomes

After passing the course, the student should be able to:

- Give an account of practices and infrastructures for sustainable transport and mobility as a component of sustainable urban development
- Give an account of the interplay between land use planning, transportation planning and other fields of urban development in relation to the furtherance of more sustainable cities and demonstrate an understanding of challenges and opportunities associated with the coordination of transport and mobility planning and other aspects of urban and regional planning
- Apply theories on sustainability transformation to questions on sustainable transport and mobility in an urban context
- Demonstrate a qualitative understanding of mobility needs of urban residents and their relation to and experiences from the transport system
- Discuss how gender, socio-cultural, economic and other factors influence individuals' and different societal groups' accessibility to mobility options
- Analyse mobility patterns as part of urban social dynamics and transport infrastructure and discuss in a qualitative way the role of social, economic and cultural factors to shape these patterns
- Analyse alternative courses of action for the development of sustainable urban mobility and discuss the applicability of methods for the accelerating sustainability transformation in relation to sustainable urban transport and mobility
- Analyse challenges for decision-making and cooperation between different actors in relation to the implementation of measures for sustainable transport and mobility in an urban context

## Course contents

### Examination

- INL1 - Hand in assignment, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- PRO1 - Project, 2.5 credits, grading scale: A, B, C, D, E, FX, F
- SEM1 - Seminar, 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.

The examiner determines, based on recommendation from the KTH office of support to students with disabilities, possible adapted examination for students with documented, permanent disabilities.

The examiner may permit other examination formats at the re-examination of individual students.

## **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.