



ME2752 Challenge-driven Project in Urban Mobility, part 2 6.0 credits

Utmaningsdrivet projekt i urban mobilitet, del 2

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

On 01/10/2020, the Dean of the ITM School has decided to establish this official course syllabus to apply from autumn term 2021 (registration number M-2020-1821).

Grading scale

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

Education cycle

Second cycle

Main field of study

Industrial Management

Language of instruction

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

Intended learning outcomes

The aim of the course is that students through active work with a realistic change project will deepen, develop and synthesise their knowledge of and abilities in industrial management.

Based on the results of student projects that were carried out in the course ME2751 Challenge-driven Project in Urban Mobility, part 1, the students will in part 2 take the next step in developing relevant solutions for urban mobility and to plan for practical implementation of these solutions.

On completion of the course, the student should, with a focus on technical and other solutions in the area of urban mobility, be able to:

1. Assess, evaluate and improve existing plans and solutions based on established specifications and evaluate possible obstacles for successful implementation.
2. Analyse proposed measures from a multidimensional stakeholder perspective including citizen and end users, political, regulatory, economic, integrity and safety, and sustainability perspectives.
3. Plan marketing and sales of projects with several stakeholders in a complex environment.
4. Formulate personal development goals and reflect on one's own performance and personal development and evaluate the usability of acquired theories, methods and processes in a practical context.
5. Prepare a professional report including supplementary presentation materials, based on completed analyses and studies.

Course contents

- Market analysis and modelling.
- Project management and planning, especially project portfolios and project networks.
- Stakeholder and risk analysis.
- Change management.
- Systematic innovation methods.
- Impact assessments.

Specific prerequisites

Achieved the requirements for Degree of Bachelor of Science.

AG2301 Traffic Data Collection and Analysis (short course)

MF2098 Design Methodology in Urban Mobility.

ME2751 Challenge-driven Project in Urban Mobility, part 1.

Examination

- PRO1 - Project work, 4.0 credits, grading scale: A, B, C, D, E, FX, F

- PRO2 - Project work, 2.0 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.

Other requirements for final grade

None

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.