



AI2117 Facility Management 7.5 credits

Facility Management

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

Establishment

The course syllabus is valid from Autumn 2025 according to decision of the Director of First and Second Cycle Education: HS 2025-0745, 3.2.2 Decision date: 2025-04-08

Grading scale

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

Education cycle

Second cycle

Main field of study

The Built Environment

Specific prerequisites

Completed Bachelor's thesis (15 ECTS) in civil engineering, business administration, or real estate economics.

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 to develop participants' understanding of principles and models within Facility Management (FM), and of how FM organisations can support the core business of property owners and tenants/users. Upon completion of the course, participants shall be able to:

- Develop and describe a Facility Management strategy for a specific organisation, based on an investigation and analysis of needs and opportunities, as well as knowledge of relevant methods and tools.
- Analyse and explain how Facility Management (FM) can create added value for organisations through strategic property decisions and service development. Identify and evaluate different models and frameworks for value creation within FM and Corporate Real Estate Management (CREM), and discuss how these models can be adapted to different organisational and market contexts.
- Investigate, describe, and analyse a real-life innovation or change initiative linked to Facility Management. Based on scientific literature and methodology, analyse and reflect on how the studied initiative impacts sustainability, digitalisation, and economic efficiency within the company and the built environment sector. Report the results in a scientific paper.

Course contents

- Purposes of and roles within Facility Management
- Strategies and strategy development
- People and organisation (stakeholder analysis, engagement, communication)
- Outsourcing, procurement, contract models, and contract management
- Governance and follow-up (performance measurement, key performance indicators, benchmarking, risk management – threats and opportunities)
- Change management and innovation in Facility Management
- Application of scientific method, analysis, and reporting

Examination

- PRO1 - Assignment, 7.5 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.

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.