



DM2800 Leading Complex Change Processes 7.5 credits

Ledning av komplexa förändringsprocesser

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

Establishment

The official course syllabus is valid from the spring semester 2026 as decided by the director of first and second cycle education: HS-2025-2473. Date of decision: 2025-10-17

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Specific prerequisites

Skills in scientific thinking and writing through one of the following:

- degree obtained at university level of at least 180 credits
- completed or started degree project aiming at a degree at university level of at least 180 credits
- completed course in research methodology/theory of science, 6 credits.

Intended learning outcomes

After passing the course, the student should be able to

- explain theories and analytical tools regarding complexity and leadership, systems thinking and how to lead change processes
- identify complex sustainability-related problems and with limited information plan for co-creation processes
- analyze limitations of traditional engineering methods when dealing with complex sustainability-related problems
- lead groups in complex situations, in a critical, co-creative and creative way, both individually and in collaboration with others
- develop practice around co-creation processes

in order to

- be able to understand, relate to and lead sustainability-related change processes in a world characterized by increased complexity and uncertainty and take responsibility for their own learning.

Course contents

- Sustainability-related change processes.
- Increased participation, diversity and perspective-taking.
- Systems Theory and Systems Thinking.
- Complexity Theory.
- How to constructively and co-creatively lead change processes.

Examination

- DELA - Active participation, 2.0 credits, grading scale: P, F
- DELB - Active participation, 3.0 credits, grading scale: P, F
- INL1 - Hand-in assignment, 2.5 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.

If the course is discontinued, students may request to be examined during the following two academic years.

Other requirements for final grade

Mandatory attendance (75%) at the sessions that involve co-creation processes. These sessions consist of 6 half-days of 4 hours each, spread over three weeks. These sessions are held on the KTH campus and physical attendance is required.

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.