ME2625 Challenge-driven technology-based entrepreneurship 15.0 credits

Utmaningsdrivet teknikbaserat entreprenörskap

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

Establishment

The official course syllabus is valid from autumn semester 2026 as decided by the Director of First and Second Cycle Education. Decision date: 2026-04-20.

Grading scale

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

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

Achieved at least 40 higher education credits from the master's programme ”Technology based Entrepreneurship (TTBEM)”.

Intended learning outcomes

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

1. Identify and evaluate sustainability problems,

2. Compare different alternatives related to management, planning and organisation that arises at the implementation of innovative technology-based projects,

3. Apply their technical expertise and theories of entrepreneurship and innovation in a creative way in order to support sustainable development considering different interested parties,

4. Generate different processes for problem-solving that aims to by means of technology solve complex innovation, entrepreneurship and sustainability problems considering different interested parties,

5. Build a sustainable, including and just solution to a problem that promotes sustainable development,

6. Analyse the consequences for a sustainable development at implementation of innovative, technology-based and entrepreneurial ideas.

Course contents

The aim of the course is to give the students a deep and worthwhile learning in challenge run technology-based entrepreneurship. The students should identify difficult solved problems with the UN sustainable development goals as a starting point and retrieve a technical and entrepreneurial solution to these challenges. Within the framework of their project, the students should analyse idea, concepts, strategy, appropriate technology, competition and financial preconditions related to the introduction of an innovative/entrepreneurial idea that has implications for sustainability. The course is completely project-based, where mentor supports the students' development of the project. The students explore the actual course content based on a number of provided digital modules. The students cooperate in team-based learning by be based a technical solution on a sustainability challenge, where they need to bear in mind to different interested parties.

Examination

- INL5 - Assignment, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- INL6 - Assignment, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- INL7 - Assignment, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- INL8 - Assignment, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- PRO2 - Project, 7.0 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.

Other requirements for final grade

PRO2 is compulsory.

Transitional regulations

Expired modules may be examined through supplementary or substitute assignments for a period of two 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.