



# CH109V Leadership, Entrepreneurship, and Innovation in Healthcare Environments 5.0 credits

Ledarskap, entreprenörskap och innovation i hälsovårdsmiljöer

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 CH109V valid from Autumn 2024

## Grading scale

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

## Education cycle

First cycle

## Main field of study

Technology and Health

## Specific prerequisites

University education 120 credits in technical science, natural science, medical science or human resources science. Alternatively, 2 years of professional experience in health/medical care. English B/6

## Language of instruction

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

## Intended learning outcomes

The overall goal of the course is to provide the student with basic knowledge of how to lead, innovate and drive entrepreneurship in the complex and ever-changing healthcare industry (which is internationally seen as an environment that is difficult to predict and is called 'VUCA' (Volatility, Uncertainty, Complexity, and Ambiguity)).

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

1. Understand and account for changes and challenges that have to do with leadership, entrepreneurship and innovation in healthcare organizations.
2. Understand and explain how leadership styles and leadership strategies can be designed in the healthcare industry, and be able to give examples of leadership strategies that are suitable for organizational change and innovation in healthcare.
3. Explain strategies for sustainable entrepreneurship within the healthcare industry.
4. Identify and evaluate entrepreneurial opportunities within healthcare, such as effective planning and launching of health initiatives.
5. Define innovation ecosystems in healthcare settings including their distinguishing elements and alternative applicable approaches.
6. Explain how innovation should be driven in healthcare, including the various methods that are applicable to the development of new products in healthcare.

## Course contents

The course is divided into three distinct sections: Leadership, Entrepreneurship and Innovation, with a focus on understanding and addressing challenges and opportunities in the healthcare industry.

- Leadership (1 ECTS)
- Entrepreneurship (2 ECTS)
- Innovation (2 ECTS)

The course is given entirely remotely, in English. The course is given by KTH, but is a collaboration between KTH and two European universities (Trinity College, Dublin, and University of Lisbon); hence, the parts entrepreneurship and innovation in the healthcare industry are given by Europe's experts in the field.

The course includes recorded lectures, with associated reflection exercises, assignments, and literature studies.

## Examination

- RED1 - Report, 1.0 credits, grading scale: A, B, C, D, E, FX, F
- RED2 - Report, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- RED3 - Report, 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.

RED1, examines course objectives 1,2

RED2, examines course objectives 1,3,4

RED3, examines course objectives 1,5,6

The final grade is a weighted (based on credits per examination component) average value of the grades on the three examination components, RED1-3.

## 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.