



# FSK3003 Sustainable Development for WISE PhD students 7.5 credits

Hållbar utveckling för WISE-doktorander

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

## Establishment

The course plan is valid from spring semester 2025 according to the decision of the Faculty board: PA-2025-0019. Date of decision: 2025-05-14

## Grading scale

P, F

## Education cycle

Third cycle

## Specific prerequisites

The course is open for graduate students within the WISE program.

## Language of instruction

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

# Intended learning outcomes

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

- report on, reflect on and critically discuss the concept sustainable development and how it relates to the student's own research area,
- analyze interactions and possible conflicts between different aspects of sustainability (ecological, economic and social, including gender equality aspects), with a particular focus on the student's own research area,
- explain system conditions pertaining to the ecosystem's life-sustaining and resource-creating functions and relate this to the student's own research area.

## Course contents

Basic concepts, models and methods within the subject area of sustainable development. Different ways of understanding and interpreting the concept sustainable development. How society's use of materials affects the possibilities for sustainable development. The role of materials science for sustainable development. The own research area must be put in relation to global goals for sustainable development in such a way that both difficulties and opportunities to contribute to long-term sustainability become clear.

## Examination

- INL1 - Assignment, 7.5 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.

## 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.