



# **SA2002 Sustainable development and research methodology in engineering mechanics 3.0 credits**

Hållbar utveckling och forskningsmetodik inom teknisk mekanik

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

## **Establishment**

Course syllabus for SA2002 valid from Autumn 2022

## **Grading scale**

P, F

## **Education cycle**

Second cycle

## **Main field of study**

## **Specific prerequisites**

Completed degree project on Bachelor level with a major in technology.

## **Language of instruction**

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

## Intended learning outcomes

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

- Demonstrate an understanding of the role of science and technology in society and the responsibility of individuals in using it for sustainable societal development, with a focus on a gender-equal and climate-neutral society,

by

- Demonstrating the ability to clearly present and discuss their conclusions, as well as the knowledge and arguments on which these are based, both orally and in writing, in dialogue with different groups,

and

- Demonstrating insight into current research and development work in engineering mechanics.

## Course contents

The course is delivered in the form of various modules with a mix of learning activities, primarily in the form of seminars. The modules focus on research methodology related to subjects and professional roles, with connections to gender equality and diversity, as well as sustainable development for a climate-neutral society.

## Examination

- SEM1 - Seminars, 3.0 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.