



AL101V Sustainable Development for Problem Solvers: Exploring Sustainable Development 3.0 credits

Hållbar utveckling för problemlösare: Utforska hållbar utveckling

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

Establishment

The head of school at ITM has determined to establish this course syllabus to apply from autumn term 2020. A-2021-0185.

Grading scale

P, F

Education cycle

First cycle

Main field of study

Environmental Engineering

Specific prerequisites

Language of instruction

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

Intended learning outcomes

After successful completion of this course you will have learned:

- a broad overview of the history of sustainable development and current environmental challenges
- global approaches to drive the sustainable development forward
- the main arguments of why there is an urgency for sustainable development and barriers to implementing sustainable solutions
- a holistic approach to sustainable development
- how to identify the environmental impacts of human society and states and trends of the earth

Course contents

In this course, you will be introduced to the concept of sustainable development and how it has evolved to what it currently means, a holistic ongoing process to tackle the environmental, social, and economic challenges of human development. You will learn about key concepts describing sustainable development, such as the three pillars, and different indicators for sustainable development. You will be introduced to the underlying reasons behind the environmental challenges that we face today, for instance, climate change and ocean acidification. Throughout the course, different frameworks to describe sustainable development will be discussed, including normative approaches.

Examination

- INL1 - Homework assignment 1, 0.5 credits, grading scale: P, F
- INL2 - Home assignment 2, 1.0 credits, grading scale: P, F
- INL3 - Homework assignment 3, 0.5 credits, grading scale: P, F
- INL4 - Homework assignment 4, 1.0 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.

Additional regulations

The course is carried out (mainly) online. Access to a computer with internet is therefore a precondition