



AL2195 Sustainable Development in Developing Countries

7.5 credits

Hållbar utveckling i utvecklingsländer

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

The course syllabus is valid from autumn 2021

Grading scale

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

Education cycle

Second cycle

Main field of study

Environmental Engineering

Specific prerequisites

TSUTM: -

Others: Open for programme students at KTH with at least 120 ECTS or a Bachelor degree for other students

Courses from Upper Secondary School corresponding to the courses Eng B/6 according to the Swedish upper secondary school system

Language of instruction

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

Intended learning outcomes

The overall objective in this course is to give a deeper insight of the influence of technology on sustainable

development. After concluding this course the student should be able to:

- Give a historical background to the concept of sustainable development.
- Describe the ecological, economic and social situation in developing countries.
- Describe and analyse the Millennium Development Goals and the Sustainable Development Goals.
- In a written report / case study analyse and discuss how new technology affects different aspects of sustainable development in low and middle income countries
- Discuss scientific methods used to analyse the role of technology for sustainable development in low- and middle income countries.
- Search for scientific literature in the subject areas of the course from the Internet and in libraries and use it as reference materials for a written report / case study with correct use of citations and bibliography
- Give an oral presentation of a written case study

Course contents

In this course we focus on sustainable development in the developing world, with special emphasis on Sub-Saharan Africa - present condition and future prospect. Technology development and its connection to, poverty reduction, natural resources, the economy and business opportunities are discussed.

Examination

- INL1 - Hand in assignments, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- PRO2 - Project, 1.5 credits, grading scale: P, F
- PRO3 - Project, 3.0 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.

Other requirements for final grade

Graded A-F

All examined parts should be passed in order to get a final grade

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.