



AL2195 Sustainable Development in Developing Countries

7.5 credits

Hållbar utveckling i utvecklingsländer

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

Establishment

The course syllabus is valid from autumn 2022, decision: A-2022-0790. Date of decision: 2022-03-28.

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 goal of the course is to provide an in-depth insight into how the world's historically and geographically unequal development affects opportunities for a more fair and environmentally sustainable development. After completing the course, the student should be able to:

- Provide a historical and geographical background to the concept of uneven development and its relation to sustainable development.
- Describe the emergence of regional differences (social, economic and ecological) with a focus on countries in the global South.
- In a written essay and based on scientific literature, analyze and discuss how infrastructure and technology affect various aspects of sustainable development in low- and middle-income countries.
- Discuss scientific methods for analysis of social, ecological and technical aspects for sustainable development with a focus on countries in the global South.
- To develop in groups a critical case study on the conditions for uneven development and sustainable development.
- Search for scientific literature within the course's subject area to use as reference material in an essay.
- Give an oral presentation in a group of a case study.

Course contents

The course deals with sustainable development with a focus on countries in the global South and especially cities and countries in sub-Saharan Africa, their current situation and future development. Current social and technological developments are understood in the light of historical and geographical factors, including colonial and post-colonial structures. Infrastructure, technology and socio-ecological factors are discussed and the course develops an understanding of their connection with poverty reduction, natural resources, economy, business opportunities and social justice.

Examination

- UPP1 - Short critical reflection on self-selected articles, 1.5 credits, grading scale: A, B, C, D, E, FX, F
- INL2 - Peer-review of UPP1, 0.5 credits, grading scale: A, B, C, D, E, FX, F
- PRO4 - Group project with presentation, 2.5 credits, grading scale: P, F
- UPP2 - Essay, 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.

If the course is discontinued, students may request to be examined during the following two academic years.

Other requirements for final grade

Graded A-F

The final grade is calculated together with the grade in each component that is weighted in relation to the points that the components contribute.

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

Transitional regulations

Students who have not completed a course with previous rules are asked to contact the examiner for the course to find a suitable form of examination.

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.