



MJ2099 Practical Work in Developing Countries for the Energy and Environment Program 30.0 credits

Praktikarbete i utvecklingsländer inom Energi- och miljöprogrammet

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

Course syllabus for MJ2099 valid from Spring 2017

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Mechanical Engineering

Specific prerequisites

- Compulsory courses in year 1-2 of the CENMI programme.

- In addition, it is desirable that year 3 compulsory course and qualifying courses for the Master programme (120 credits) in CENMI have been acquired.

Language of instruction

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

Intended learning outcomes

The aim of the course is that the participant should be able to apply knowledge and skills that have been acquired in compulsory and optional courses, in the Energy and Environment programme, in a development project that is carried out in a developing country, coordinated or organised by a Swedish embassy or other Swedish or international aid organisation.

On completion of the course, the student should be able to:

- apply knowledge and skills that have been acquired in the Energy and Environment programme, e.g. modelling simulation, LCA and LCC.
- describe the ecological, economic and social situation in the developing country.
- analyse and discuss how new technology influence different aspects of sustainable development in the developing country.
- describe the project, its preconditions and results in a written report.
- present the project orally to other students.

Course contents

Disposition

The course is only given in agreement with examiner and only provided that a practical training in a developing country is arranged by a Swedish embassy or other Swedish or international aid organisation. The project work should furthermore be evidently relevant for the education in Energy and environment (CENMI).

Examination

- PRO1 - Project, 28.0 credits, grading scale: P, F
- SEM1 - Seminar, 2.0 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.

Other requirements for final grade

- Project (PRO1; 28 credits),
- Seminar (SEM1; 2 credits)

The examination format can be changed at special needs.

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.