

## Course syllabus – Doctoral course

### Name

Energy Systems Interdisciplinary Project

### Course objectives

The purpose of the course is to engage PhD students around a joint project where aspects from different scientific disciplines are integrated.

After completion of the course the PhD student should be able to:

- plan and practice to work around a joint subject carried out in groups, involving PhD students from different disciplines,
- present, describe and discuss the joint group work, carried out during the course, from all perspectives included in the group work (methods, theories, results etc.),
- describe and reflect upon the contribution of including other scientific disciplinary perspective(s) on the individual research project,
- discuss and reflect upon how perspectives from other scientific disciplines may be integrated in specific subject areas.

### Content

The course is conducted as a group work with energy systems issues in focus, where the content of the work is chosen in consultation between the participants in each specific group and their supervisors.

### Target group

Doctoral students who are interested in energy systems research are the target group, but in particular doctoral students who are accepted to Forskarskola Energisystem (FoES).

### Instruction

The course has obligatory gatherings (1-2 days each time).

The course is held in the form of seminars and group work. A part of this work is carried out during the obligatory gatherings while the main parts are carried out in between the obligatory gatherings. The course is held in English.

### Literature

Course literature will be presented at the course introduction.

### Examination

- Interdisciplinary group project assignment, including writing, presenting and

- defending one report (written in collaboration with other PhD student(s))
- Opposition on one other group report
- Writing (individually) a reflection document where other scientific disciplinary perspective(s) are reflected upon in relation to the individual research project
- Obligatory attendance and active participation in all parts of the course

## **Credits**

5 HEC (ECTS)

## **Other**

The obligatory gatherings are held in different places in Sweden. The course is provided by Forskarskola Energisystem (FoES).

The number of course participants is limited to around 20. Doctoral students being part of Forskarskola Energisystem (FoES) will be given preference and other participants will be chosen depending on their academic background and when their application to the course arrives. As the core of the course is to work in groups, participants not being part of FoES are obliged to, at the time of application, clearly state who to work with in the group (2-3 PhD students per group) and the subject of the group project work. The course committee has the right to choose participants for the course so that a good mix of backgrounds of the doctoral students is obtained.

The course pays regard to equal opportunities. Its goal is to make active use of the resources that students with different backgrounds, life situations and competences bring to the education.