

Course Plan – PhD course

Name

Tools for energy systems analysis I

Goal

After successful completion of the course the PhD student shall be able to:

- Describe and reflect upon some quantitative and qualitative methods which are used in energy systems analysis
- Describe and assess how methods presented and discussed in the course may be used in his/her own research project.

Content

The course is an introduction to different methods and tools which are used in energy systems research. These are:

- Energy audits
- Energy measurements
- Energy management
- Statistics
- Questionnaires
- Scenario analysis
- Case studies
- Interviews

Prerequisites

Admitted to education at research level (PhD-studies).

Target group

The course is primarily open for PhD students at the division of Energy Systems and the division of Environmental Technology and Management at Linköping University.

Organisation

The teaching method is lectures combined with seminars. Detailed information about the course can be found in the Course tutorial.

Literature

Course literature consists of a compilation of articles and texts (literature list can be found on the course platform).

Examination / Examiner

- Mandatory attendance and active participation in the seminars
- A written assignment

Examiner: Maria Johansson

Credits and grading

4 HEC (ECTS)

Pass or Fail

Other information

The course is planned and organized by the division of Energy Systems at Linköping University.