

# Project Course Advanced - System Tools for Sustainable Development

Programme course

12 credits

Projektkurs avancerad - Systemverktyg för hållbar  
utveckling

TMPE07

Valid from: 2017 Spring semester

**Determined by**  
Board of Studies for Mechanical  
Engineering and Design

**Date determined**  
2017-01-25

## Main field of study

Energy and Environmental Engineering

## Course level

Second cycle

## Advancement level

A1X

## Course offered for

- Energy-Environment-Management

## Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

## Prerequisites

Prior courses within the programme and Master specialization

## Intended learning outcomes

The overall objective of the Advanced project course is that students should acquire knowledge and understanding of the set-up, planning, implementation and presentation of project work within the field of energy. After completing the course, students should be able to:

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- plan and carry out applied research/development projects within the field of energy systems
- critically review and evaluate scientific publications within the field of energy systems
- communicate the results of their learning within the course's subject area, both orally and in writing

## Course content

The project work which is carried out within the course comprises a combination of system analyzes and more detailed analysis at the advanced level. The work can be carried out in close cooperation with industry or other regional operators, or be part of ongoing research project. The work presented in a written report which is presented orally at a seminar. The course also includes an oral and written opposition of another project in the course.

## Teaching and working methods

Seminars and project work.

The course runs over the entire autumn semester.

## Examination

PRA1	Project assignment	12 credits	U, 3, 4, 5
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## Grades

Four-grade scale, LiU, U, 3, 4, 5

## Department

Institutionen för ekonomisk och industriell utveckling

## Director of Studies or equivalent

Shahnaz Amiri

## Examiner

Patrik Thollander

## Course website and other links

## Education components

Preliminary scheduled hours: 20 h

Recommended self-study hours: 300 h

## Common rules

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at [http://stydokument.liu.se/Regelsamling/Innehall/Utbildning\\_pa\\_grund-\\_och\\_avancerad\\_niva](http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva).