

Project Course Advanced - Energy and Environmental Engineering

Programme course

12 credits

Projektkurs avancerad - Energi och miljöteknik

TMPE08

Valid from: 2017 Spring semester

Determined by

Board of Studies for Mechanical
Engineering and Design

Date determined

2017-01-25

Offered for the last time

Autumn semester 2022

Replaced by

TMPE10

Main field of study

Energy and Environmental Engineering

Course level

Second cycle

Advancement level

A1X

Course offered for

- Mechanical Engineering, M Sc in Engineering

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 course seeks to consolidate the knowledge gained in energy or environmental engineering through application on a current project either within industry or with a research focus. After completion of the course the student shall:

- be able to control identification, selection and application of theoretical and knowledge areas for specific problem
- be able to assimilate and critically analyse the content in relevant literature and relate their work to these literatures.
- be able to systematically integrate knowledge gained during their study programme to solve a relevant problem within energy or environmental engineering.
- be able to communicate results of in a project both orally and in writing and during the different phases of the project
- be confident in critical assessment and evaluation of their own as well as other students work.
- be able to plan, realize and account for an independent work on advanced level
- have experience in working as a group within a project

Course content

The course constitutes of a project of reasonable size which is from either an industrial or a research context. The project is finished with a written report and oral presentation.

Teaching and working methods

The education is given through a supervised project work which is performed in groups. The students are assumed to take a large own responsibility in completing the project work.

The course runs over the entire autumn semester.

Examination

PRA1	Project work	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

Olika studierektorer beroende på projekt

Examiner

Olika examinatorer beroende på projekt

Course website and other links

Education components

Preliminary scheduled hours: 0 h

Recommended self-study hours: 320 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/departments 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.