

Environmentally Driven Business Development

Programme course

6 credits

Miljödriven affärsutveckling

TKMJ49

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, Industrial Engineering and Management

Course level

Second cycle

Advancement level

A1X

Course offered for

- Industrial Engineering and Management - International, M Sc in Engineering
- Industrial Engineering and Management, M Sc in Engineering
- 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

Environmental technology, Industrial economics and organisation, Environmental management, Project management

Intended learning outcomes

The course aim is to develop the capabilities to formulate and plan a business solution for an environmental problem. After completion the student shall be able to:

- Explain and reflect upon relevant theories and concepts in the area of sustainable entrepreneurship
- Account for drivers and hinders for environmentally driven business development
- Account for critical factors for the establishment of an entrepreneurial venture and have some ability to collect and analyse relevant information for that purpose
- Combine knowledge about environment and environmental technology with innovation and entrepreneurship
- In a group design, describe and motivate a tentative business solution to an environmental problem.

Course content

The course discusses:

- Entrepreneurship, innovation and business activities in general and in the context of environmental technology
- Structure, characteristics and conditions of the environmental technology sector and its sub-sectors
- Idea creation- The process from idea to business model. How to formulate an idea that can be used for creating a new or developing an already established business. How to reach the market and how to finance such a business.

Teaching and working methods

Theories and practical examples are presented at lectures. Seminars are arranged for further supporting the learning. In a group assignment a sustainable business idea is planned and described.

Examination

TEN1	Written examination	2 credits	U, 3, 4, 5
PRA1	Project assignment	4 credits	U, G

The quality of the project assignment (PRA1) will be taken into consideration when grading full course.

Grades

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

Department

Institutionen för ekonomisk och industriell utveckling

Director of Studies or equivalent

Carina Sundberg

Examiner

Olof Hjelm

Course website and other links

Education components

Preliminary scheduled hours: 28 h

Recommended self-study hours: 132 h

Course literature

Miljöinnovation från produktidé till affär, Englund och Hjelm, kompendium
Industriell miljöteknik. Vetenskapliga artiklar och bokkapitel,
praktikfallsbeskrivningar, mm som anges på kursens hemsida.

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.