

Sustainable Strategies

Programme course

6 credits

Hållbarhetsstrategier

TMKA07

Valid from: 2017 Spring semester

Determined by

Board of Studies for Mechanical
Engineering and Design

Date determined

2017-01-25

Main field of study

Design

Course level

Second cycle

Advancement level

A1X

Course offered for

- Design, Master's Programme

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

Three years of completed university studies. Admission to masterprogramme in Design. Knowledge of design for sustainability.

Intended learning outcomes

The main objective is for students to develop knowledge about and skills for different perspectives on sustainability and associated design strategies. After the completed course the student shall be able to

- Articulate the differences between visions on sustainability and their associated design strategies
- Argue for the selection of a specific strategy in light of a given challenge, while articulating its limitations
- Independently apply one of the strategies to a design challenge

Course content

Contemporary perspectives on sustainability and associated design strategies, such as, applied eco-design, cradle to cradle, biomimicry, circular economy. The course will cover underlying sustainability visions, associated design strategies, and business rationale. Critical and reflective reading, tools and methods.

Teaching and working methods

The course will be organized around lectures, discussion seminars, analytic workshops, cases, and a condensed design assignment. Recent output will be presented by researchers and mutually critically assessed.

Examination

UPG2	Reflection document	1 credits	U, G
PRA1	Design assignment	2 credits	U, 3, 4, 5
UPG1	Visions essay	3 credits	U, G

Grades

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

Department

Institutionen för ekonomisk och industriell utveckling

Director of Studies or equivalent

Peter Hallberg

Examiner

Renee Wever

Course website and other links

Education components

Preliminary scheduled hours: 0 h

Recommended self-study hours: 160 h

Course literature

Recent books, articles and conference papers provided by staff.

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.