

Design Research Methodology

Programme course

6 credits

Designforskningsmetodik

TNM102

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

Skills in research methodology.

Intended learning outcomes

The main objective is for students to develop an understanding of the ways in which valid knowledge is produced in the academic field of design research. The aim is to reach a relational level of understanding, where students should be able to

- demonstrate an understanding of design research built on top of foundational concepts in research methodology, and
- prepare to engage in existing practices of academic production of design knowledge.

Course content

Course topics include research into/for/through design, appropriation of quantitative and qualitative research methods, the relation between engineering research and design research, the role of practice and experimentation in design research, constructive research, the role of artifacts in design research, communication of design research knowledge, the relation between design research and artistic research practices.

Teaching and working methods

The course is based on seminars, where we study methodological literature and analyze published examples of design research, and on an individual project involving the planning of a research study.

Examination

UPG2	Hand-in Assignments	4 credits	U, 3, 4, 5
UPG1	Hand-in Assignments	2 credits	U, G

Grades

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

Department

Institutionen för teknik och naturvetenskap

Director of Studies or equivalent

Camilla Forsell

Examiner

Jonas Löwgren

Course website and other links

Education components

Preliminary scheduled hours: 0 h

Recommended self-study hours: 160 h

Course literature

Böcker och artiklar genom kursledningens försorg.

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.