



Centre for Engineering Education
LTH

Developing and leading courses at LTH

(Att utveckla, leda och driva kurser på LTH)

Developing and leading courses at LTH is an elective course within the qualifying higher education teaching programme at LTH. The course invites teachers who are or will become course coordinators at LTH, and are engaged in developing their teaching practice. The course can be regarded as professional development training for all course coordinators at LTH.

Aim

The course aims to provide course coordinators with the knowledge and skills needed to support student learning, manage various formal aspects, and contribute to quality development at LTH. The course also aims to inspire participants to develop their teaching practices and strengthen collegial networks, thereby promoting the discussion of higher education pedagogy at LTH.

Learning outcomes

Knowledge and understanding

To pass the course, participants shall

- demonstrate in-depth knowledge of key higher education concepts
- demonstrate familiarity with formal local and national processes, guidelines and regulations that form the framework for undergraduate and advanced level education at LTH

- demonstrate knowledge of regulations and support for students with functional variations with the aim of being able to meet students in an inclusive manner

Competence and skills

To pass the course, participants shall

- demonstrate the ability to scientifically problematise and set goals for student learning within their own subject area
- demonstrate the ability to independently as well as together with others plan, implement, and evaluate teaching and examination, and to integrate these into their pedagogical practice
- demonstrate the ability to critically, independently and creatively create and design active teaching methods and integrate these into their teaching practice
- with the use of higher education pedagogy literature, be able to analyse and present their own experiences and conclusions from both a sub-area within teaching and learning in higher education and their own development project

Judgement and approach

To pass the course, participants shall

- demonstrate a reflective approach to their own academic teaching, their relationship with students, and the core values of higher education, such as democracy, internationalisation, equality, equal treatment and sustainability
- demonstrate the ability to identify their own need for further knowledge and to continuously develop their competence as teachers

Content

Constructive alignment; the interaction between course objectives, programme objectives and degree objectives and students' learning activities; assessment and documentation of students' learning based on objectives, examination methods, academic integrity and legal

certainty; designing teaching with a focus on student learning; digital and physical environment; equal treatment, accessibility and student rights; LTH's annual cycle and regulations; pedagogical development as a collegial, social process.

Instruction

The course has a number of scheduled meetings (see current schedule) with a mix of teacher-led instruction, participant instruction, discussions and collegial feedback, as well as the implementation of a development project. Prior to the meetings, participants are expected to read scientific articles of their own choosing.

Assessment

For a pass on the course, participants must attend at least 80% of scheduled classes, complete course assignments, plan and implement participant teaching, and complete a development project.

Scope

The course corresponds to 3 weeks of work, of which the development project comprises approximately 2 weeks.

Information about the current schedule is provided on the course website.

Admission

To be admitted to the course, participants must normally have a first-cycle degree and have completed the course Introduction to teaching and learning in higher education (or similar). Exceptions to these requirements may be granted by the director of studies.

Selection criteria

Priority is given to teaching staff at LTH. Other teachers are welcome if space is available.

Language

The course is taught in Swedish or English, see the course website.

Course website

<https://www.lth.se/english/cee/pedagogical-courses/>

Literature

Selected scientific articles, as well as additional literature based on the focus of the participants' development projects.

Course director

Senior lecturer Roy Andersson, roy.andersson@cs.lth.se

Category

The course belongs to the category General courses in teaching and learning in higher education, in accordance with the LTH syllabus for the qualifying programme in teaching and learning in higher education.

Other

The course aims to encourage collaboration between teachers at the same department, course and/or programme. The development project is therefore best carried out by relevant groups of teachers.