

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 from the qualifying program in teaching and learning in higher education and of third-cycle education at LTH. The course invites teachers who are currently or will become course coordinators at LTH and who are engaged in developing their pedagogical practice. The course deals with both pedagogical aspects and formal aspects relevant for course coordinators at LTH. The course is a natural professional development experience for all course coordinators at LTH.

### Aim

The course aims at supporting course coordinators in developing knowledge and skills necessary to support student learning. It deals with formal aspects as well as pedagogical aspects of being a course coordinator. This includes participating in quality enhancement at LTH. Furthermore, the course aims at inspiring participants to develop their personal pedagogical competence and develop collegial networks for the benefit of the pedagogical conversation at LTH.

### Learning Outcomes

#### **Knowledge and understanding**

For a Pass on the course, participants shall

- show in-depth knowledge of a number of central higher education concepts

- demonstrate familiarity with formal processes locally and nationally including regulations that constitute a framework for basic and advanced education within 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**

For a Pass on the course, participants shall

- demonstrate an ability to in a scholarly way problematize and set goals for students' learning within their own subject area
- demonstrate an ability to independently as well as together with others, plan, implement and evaluate teaching and examination and to integrate these in a pedagogical practice
- demonstrate the ability to critically, independently and creatively design teaching methods supporting active learning for students, and to integrate these methods into a pedagogical practice
- with the support of concepts and perspectives from educational research independently and in a written report discuss experiences from teaching and from courses within their own disciplinary area, and be able to analyze and present experiences and conclusions from both a higher education area and from a development project

### **Judgement and approach**

For a Pass on the course, participants shall

- demonstrate a scholarly approach towards one's own academic teaching and relationship with the students, as well as towards the values of higher education such as democracy, internationalization, gender equality, equal treatment and sustainability
- demonstrate the ability to identify needs for personal development as a teacher and demonstrate an ability to develop new knowledge and new skills.

## Content

Constructive alignment; assessment and documentation of students' learning from learning outcomes, assessment methods, academic conduct; teaching development with a focus on student; digital and physical environment; equality, accessibility, and students' rights; the LTH year cycle and regulations; pedagogical development as a collegial, social process.

## Instruction

Course meetings, project work, participants teaching, literature studies, final project presentation.

## Assessment

For a Pass on the course, the participant must have attended at least 80% of the scheduled activities (normally two full days and four half days) and planned and fulfilled the participants teaching parts. In addition, the participant must also have completed and passed the project work including a written reflective report.

## Scope

The course corresponds to 3 weeks of full-time work, where the project work corresponds to about 2 weeks.

A current timetable is available on the course homepage.

## Admission

To be admitted to the course, participants must normally have a first-cycle degree, and completed the course *Introduction to Teaching and learning* (or similar). Exceptions to these requirements may be given by the Study Director.

## Selection Criteria

Priority is given to staff teaching at LTH.

## Language

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

## Course website

<https://www.lth.se/index.php?id=218177>

## Reading

Selected articles and literature determined on the basis of the project work of the participants.

## Course director

Senior Lecturer Torgny Roxå, [torgny.roxa@lth.lu.se](mailto:torgny.roxa@lth.lu.se)

Professor Per Warfvinge, [per.warfvinge@chemeng.lth.se](mailto:per.warfvinge@chemeng.lth.se)

Information on current teachers on the course is available on the course homepage.

## 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 wants to stimulate cooperation between teachers at the same department, course and/or program. This means the projects are advantageously made from relevant constellations of teachers.