

Centre for Engineering Education
LTH

Teaching Sustainability

(Att undervisa hållbarhet)

The UN Sustainable Development Goals are the blueprint to achieve a better and more sustainable future for all. The goals address the global challenges we face, including poverty, inequality, climate change, environmental degradation, peace, and justice. *Teaching Sustainability* is a course to connect with likeminded colleagues to discuss how sustainability can be included in our teaching at LTH, and together develop a product that can be directly implemented in your own teaching.

Aim

The aim of the course is to provide teachers who want to develop their teaching on sustainability with the opportunity to discuss and collaborate with peers on the topic, and to document their shared reasoning. This could include developing whole courses, course modules or ways to include aspects of sustainability in any course.

Learning outcomes

Knowledge and understanding

For a Pass on the course, participants shall be able to

- analyse teaching of sustainability in engineering subjects with reference to their own professional skills and student learning.

Competence and skills

For a Pass on the course, participants shall

- engage in collegial discussions on teaching with the other participants of the course as well as a colleague of their choice (a “critical friend”), based on relevant literature and documentation
- develop alternative approaches to teaching sustainability to improve their own teaching, and explain the benefits to student learning
- report orally and in writing the findings of a project on teaching sustainability, with university colleagues as target group.

Judgement and approach

For a Pass on the course, participants shall

- demonstrate a scientific approach to their own teaching practice.

Content

The course content is determined by the sustainability-related teaching issues addressed by the participants.

Instruction

The main component of the course is a project carried out in a group and addressing a teaching issue of relevance to the participants. The project is reported orally and in writing during the course and is to be of a quality that makes it suitable for reading by other teaching staff at Lund University. In addition to the project, the course consists of scheduled seminars intended to support the work on the report. Literature studies of relevance to the project are also included.

Assessment

Participants create a product (e.g., a lesson plan, teaching material, list of sustainability aspects to be mentioned in a given course) and document the scientific basis of, and a critical reflection on, the product in a project report.

For a pass on the course, participants must have attended the initial meeting and 75% of the scheduled activities, and also passed the project report.

Scope

The course corresponds to 2 weeks full-time work.

See the course website for current schedule.

Admission

To be admitted to the course, participants must normally have a first-cycle degree, and have completed the Introduction to teaching and learning in higher education course (or similar).

Selection criteria

Priority is given to teaching staff employed at LTH who have passed a general course in teaching and learning in higher education. Other teachers are welcome to participate, space permitting.

Language

The course is taught either in Swedish or in English. Teaching language is stated when the application opens.

Course website

<https://www.lth.se/index.php?id=261559>

Reading

Selected scientific articles, and further literature based on what the participants have an interest in.

Course director

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Category

The course belongs to the category Specialisation 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

As the course aims at stimulating the collaboration between teachers at the same department, course and/or programme, sub-tasks benefit from being carried out by relevant constellations of teachers.