



# **P000135, Advanced life cycle assessment, 7.5 Hp**

## **Syllabus**

Finalized by: Styrgrupp av SSFEB forskarskola, 2025-04-04

Valid from: 2025H

### **Level within study regulation:**

Third cycle

### **Grading scale:**

Pass / Failed

### **Course language:**

Swedish

### **Entry requirements:**

To be admitted to the course, the student must be admitted to third-cycle education (PhD project) in a topic of relevance for the course. The student must also have completed an undergraduate or graduate LCA course, and have significant experience from the use of LCA, and be able to demonstrate this competence. As demonstration, the student is asked to submit at least one published LCA work during the registration, e.g. a master thesis, report, or journal article.

### **Objectives:**

The objective of this course is to give the student a broad view of current advances in LCA methodology and application, including knowledge on state-of-the-art research in selected areas. The course is an arena for disseminating the expertise and experiences of senior

LCA researchers to a new generation of PhD students, and for helping the PhD students create a network of young LCA researchers.

### **Content:**

The course combines seminars led by senior LCA researchers with student-centered discussions and activities. During the seminars, senior researchers will present and problematise methodological approaches and applications of LCA, based on their experiences in research and application of life cycle thinking in various areas.

This course contributes to creating a network of PhD students and young researchers. During meetings, students participate in group discussions where they get a chance to learn from each other's experiences, reflect on their own and others' research in view of current LCA research, and discuss limitations and possibilities for future developments of their work. The students will also present their current and planned work to others. An important aspect of the meetings is also to engage in networking activities.

### **Modes of assessment:**

The following is required to complete the course:

- Attend minimum 75% of scheduled activities
- Participate actively in discussions during scheduled activities
- Prepare and present a group project about LCA research development in a broad perspective
- Prepare and present an individual project about the student's own work in view of areas covered in the course
- If a student has failed an examination, the examiner has the right to issue supplementary assignments. This applies if it is possible and there are grounds to do so.
- The examiner can provide an adapted assessment to students entitled to study support for students with disabilities following a decision by the university. Examiners may also issue an adapted examination or provide an alternative way for the students to take the exam.

- If this syllabus is withdrawn, SLU may introduce transitional provisions for examining students admitted based on this syllabus and who have not yet passed the course.
- For the assessment of an independent project (degree project), the examiner may also allow a student to add supplemental information after the deadline for submission. Read more in the Education Planning and Administration Handbook.

### **Organisation:**

Department of Energy and Technology

## **Supplementary information**

### **Other information:**

- The right to participate in teaching and/or supervision only applies for the course instance the student was admitted to and registered on.
- If there are special reasons, students are entitled to participate in components with compulsory attendance when the course is given again. Read more in the Education Planning and Administration Handbook.