

**SYLLABUS**

# **Sustainable product- and service development 7.5 credits D0029A**

**Hållbar produkt- och tjänsteutveckling**

**Course syllabus admitted: Autumn 2024 Sp 1 - Present**

**DECISION DATE  
2024-02-14**

# Sustainable product- and service development 7.5 credits D0029A

## Hållbar produkt- och tjänsteutveckling

### First cycle, D0029A

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G#	Industriell design	Other Subjects within Technology

## Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language + Swedish upper secondary school course English 6.

## Selection

The selection is based on final school grades or Swedish Scholastic Aptitude Test.

## Course Aim

After the course, the students should:

- Have a general understanding of different development models
- Know different principles for sustainable development
- Know about and have tested methods for sustainable product- and service design
- Be able to apply principles for sustainable development in relation to innovation
- Have practiced their capability to reflect on the consequences from the development processes in relation to a user perspective.

## Contents

Sustainability issues are complex and largely an open-ended situation where different perspectives have to be considered. The course provides training in the skills of identifying problematical situations and to present and discuss solutions in groups. Lectures are mixed with exercises where the capability to communicate is practiced, commenting and provide constructive feedback on other's work is included in this element. Individual reflections on group work and the work with open-ended problems will enable practicing the ability to describe and evaluate the own learning process. The course is given in Swedish, but where deemed appropriate, guest lectures will be given in English.

## Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

Teaching takes the form of scheduled lectures and seminars, individual and group work are carried out on scheduled project time.

## Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. Grades are based on written assignments and oral presentations.

## Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term “unauthorized aids” refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

## Remarks

Students must register to the courses themselves or contact the ETKS educational administration not later than three days after the quarter commences. Failure to do so can result in the place being lost. This also applies to the students with a place guarantee. Contact: ETKS educational administration [eduetks@ltu.se](mailto:eduetks@ltu.se).

## Course offered by

Department of Social Sciences, Technology and Arts

## Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Individual work, written submission	U G#	2.5	Mandatory	A14	
0004	Project work 1	U G#	2	Mandatory	A19	
0005	Project work 2	U G#	3	Mandatory	A19	

## Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

## Last revised

by Director of Undergraduate Studies Daniel Örtqvist, Department of Social Sciences, Technology and Arts 2024-02-14

## Syllabus established

by Director of Undergraduate Studies Bo Jonsson, Department of Business Administration, Technology and Social Sciences 2014-02-14