

SYLLABUS

Creative Concept Development 7.5 credits M7016T

Kreativ konceptframtagning

Course syllabus admitted: Autumn 2023 Sp 1 - Present

**DECISION DATE
2023-02-15**

Creative Concept Development 7.5 credits M7016T

Kreativ konceptframtagning

Second cycle, M7016T

Education level
Second cycle

Grade scale
U G VG *

Subject
Produktinnovation

Subject group (SCB)
Mechanical Engineering

Entry requirements

BSc degree or completed courses of at least 120 credits, with a specialization in a technical subject area, with at least the grade Pass. Good knowledge in English, equivalent to English 6.

Selection

The selection is based on 30-285 credits

Course Aim

The aim of the course is to give the students a deeper understanding in creative concept development in early phases in technical product development. The student will have insights into methods to identify user needs and an understanding of how creative methods are used to evaluate and select concepts on the basis of the needfinding. The students will be able to reason about and reflect over the choice of methods and their use as well as their own and group work.

Contents

Central topics in the course are;

- Different perspectives of creative concept development
- Methods for needfinding, creation of concepts and evaluation of concepts.
- Factors that influence the creative process
- Evaluation of, reflection on and reasoning about process and methods.

In the class lectures are mixed with practical exercises and discussion seminars.

Realization

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

The teaching consists of lectures, group exercises and discussion seminars. An important part of teaching is to practice the different types of creative exercises and practices and to receive feedback and reflect on the implementation. Guest speakers from industry participate in the course.

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. The examination consists of oral presentations and written reports.

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 for the courses themselves, or contact ETKS educational administration eduetks@ltu.se, not later than three days after the quarter commences. Failure to do so can result in the place being lost. This rule also applies to students with a guaranteed place.

Canvas will be used for all course communication as well as deliverables

Transition terms

2113

Course offered by

Department of Social Sciences, Technology and Arts

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Examination	U G VG *	2	Mandatory	A07	
0002	Group work	U G VG *	2	Mandatory	A07	
0003	Individual deliverables	U G VG *	3.5	Mandatory	A07	

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 Business Administration, Technology and Social Sciences 2023-02-15

Syllabus established

The syllabus was established by the Department of Applied Physics and Mechanical Engineering 2007-02-28, and remains valid from autumn 2007.