

**SYLLABUS**

# **Customer Focused Product Development 7.5 credits K7004N**

**Kundfokuserad produktutveckling**

**Course syllabus admitted: Autumn 2023 Sp 1 - Present**

**DECISION DATE  
2022-02-11**

# Customer Focused Product Development 7.5 credits K7004N

## Kundfokuserad produktutveckling

### Second cycle, K7004N

| Education level | Grade scale | Subject         | Subject group (SCB)                   |
|-----------------|-------------|-----------------|---------------------------------------|
| Second cycle    | G U 3 4 5   | Kvalitetsteknik | Industrial Engineering and Management |

## Entry requirements

Completed courses of at least 120 credits, with at least the grade Pass. This must include the following courses: Quality management, Introduction course (K0001N) 7,5 credits, Mathematical Statistics (S0001M) 7,5 credits and and Linear Algebra and Calculus (M0048M) 7,5 credits, or equivalent knowledge.

## Selection

The selection is based on 30-285 credits

## Course Aim

The aim of the course is to prepare the student for the engineering role, which implies that the student should have acquired abilities to:

- Plan, collect and analyze data in order to identify customer needs, as a basis of sustainable development of new or existing products or services.
- Use and evaluate methods, tools and theories relevant for the course.
- Argue for choices made during the work, and reflect upon consequences based on these choices.
- Analyze and evaluate the work of other students.

## Contents

The course includes theory and practice related to customer focused product development.

## 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, seminars, of individual assignments and group assignments. Presentations are made by the students both orally and in writing. Attendance at compulsory sessions may be required. The course is project based, where students analyse and give recommendations on product improvements.

## 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 course aims are examined via individual assignments, oral presentations, written reports and student attendance at compulsory sessions. To pass, the student must demonstrate that the course aims have been achieved. The grade may be affected by how compulsory tasks are conducted and presented.

## 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](mailto: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.

## Overlap

The course K7004N is equal to IEK204

## Course offered by

Department of Social Sciences, Technology and Arts

## Modules

| Code | Description  | Grade scale | Cr  | Status    | From period | Title |
|------|--------------|-------------|-----|-----------|-------------|-------|
| 0001 | Project work | G U 3 4 5   | 7.5 | Mandatory | A08         |       |

## 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 2022-02-11

## Syllabus established

by Institutionen för Industriell ekonomi och samhällsvetenskap 2007-12-17