

SYLLABUS

Degree project in industrial design engineering product design, Bachelor of Science in Engineering 15 credits D0023A

Examensarbete i teknisk design, produktdesign, högskoleingenjör

Course syllabus admitted: Spring 2018 Sp 3 - Present

**DECISION DATE
2017-11-03**

Degree project in industrial design engineering product design, Bachelor of Science in Engineering 15 credits D0023A

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First cycle, D0023A

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 and At least 135 credits from completed courses required for the degree, of which at most 15 credits may be remaining from base and core courses. The examiner appointed decides if the student has the depth of knowledge required for the proposed degree project.

Selection

The selection is based on 1-165 credits.

Examiner

Åsa Wikberg Nilsson

Course Aim

The overall goal of the course is that the student practices, develops and is able to apply theory and methods to solve problems in a scientific manner that are relevant to work as a Bachelor of Science in Industrial design Engineering within the field of product design.

This means that on completion of the course the student is able to:

- Formulate a relevant problem for investigation from a chosen subject within the subject area of Product design
- Apply knowledge and proficiency that has been acquired during the period of study to an investigation development smaller research project in an independent and systematic manner
- Choose and justify the study method for an investigation
- Analyse and defend the problem formulated in a correct manner with respect to engineering
- Locate and critically review information and summaries this in a manner appropriate to engineering
- Plan, structure and execute an investigation or development project
- Judge the relevance of the results obtained
- Work to a timetable
- Express themselves well in writing in a linguistically scientifically correct manner
- Create and execute a presentation of the results of the project, defending the conclusions
- Critically review the work of others in a constructive manner

Contents

The content of the degree project is designed in collaboration with the supervisor. The degree project always contains a theoretical foundation in the form of a literature survey that highlights the area of technology and the methodology, summarised in a scientific manner.

Realization

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

The student independently plans and executes the degree project; the supervisor is available for assistance. A timetable for the entire project is included in the degree project, which is continuously reviewed.

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. Written presentation of individual work.

In the report the student shows the ability to:

- Justify the chosen problem of study
- Select and justify the study methods
- Collect information relevant to the problem formulation with an explicit connection to the chosen theory/method
- Present the information collected in writing in a relevant manner
- Analyse and defend the formulated problem from the chosen theory and methods
- Critically review the relevance of the results obtained from a scientific and engineering point of view
- Express themselves in writing in a correct linguistic and scientific manner
- Oral presentation of own work
- Public discussion of the work of others
- Attendance at presentations of the degree project work of others

To pass the course the student shall participate in compulsory meetings and seminars as well as register the thesis according to LTUs rules.

Remarks

The department provides active supervision for a period of one term from the start of the project. The degree project is performed individually; only in exceptional cases may at most two students carry out the degree project together. In cases in which the degree project is carried out by two students, this shall be clearly visible in the scope and depth of the report. Contact: ETKS educational administration eduetks@ltu.se.

Overlap

The course D0023A is equal to D0016A

Literature. Valid from Spring 2013 Sp 3

Literature will depend on the nature and focus of the thesis. Course literature will be selected by supervisor, examiner and participating students.

Course offered by

Department of Business Administration, Technology and Social Sciences

Items/credits

Number	Type	Credits	Grade
0001	Start of degree project	0	TG U G#
0002	Public discussion of others degree project	0	TG U G#
0003	Oral presentation	0	TG U G#
0004	Accepted report	15	TG U G#

Last revised

by Director of Undergraduate Studies Daniel Örtqvist, Department of Business Administration, Technology and Social Sciences 2017-11-03

Syllabus established

by Director of Undergraduate Studies Bo Jonsson Department of Business Administration, Technology and Social Sciences 2012-06-21