

SYLLABUS

Degree project industrial engineering and management, strategic work and business development, MSc Engineering 30 credits O7016N

**Examensarbete i industriell ekonomi, strategiskt arbete och
företagsutveckling, civilingenjör**

Course syllabus admitted: Spring 2017 Sp 4 - Present

**DECISION DATE
2017-01-13**

Degree project industrial engineering and management, strategic work and business development, MSc Engineering 30 credits O7016N

Examensarbete i industriell ekonomi, strategiskt arbete och företagsutveckling, civilingenjör

Second cycle, O7016N

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	U G#	Industriell organisation	Industrial Engineering and Management

Entry requirements

At least 240 credits from completed courses required for the degree, of which at most 15 credits may be remaining from base and core courses. Of the completed courses at least 30 credits shall be of advanced level. The appointed examiner decides if the student has the depth of knowledge required for the proposed degree project.

Selection

The selection is based on 30-285 credits

Examiner

Sara Thorgren

Course Aim

The overall goal of the course is that the student practices, develops and is able to apply theory and methods to solve unstructured problems relevant to a profession as Master of Science in Industrial Engineering and Management within the field of Strategic work and business.

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 Strategic work and business.
- Apply knowledge and proficiency that has been acquired during the period of study to a complex development project or a 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 science and engineering, without complete information.
- Locate and critically review information and summarise this in a scientific manner.
- Plan, structure and execute a project within research, development or investigation.
- Judge the scientific and practical relevance of the results obtained.
- Work to a timetable.
- Express themselves well in writing in a verbally and 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 and scientific manner

Contents

Topics within the subject area of strategic work and business development is treated. The Thesis work is ment to increase the understanding of the subject area and the ability to apply the knowledge gained within the education. 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 and compulsory seminars may also be held. 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.
- Oral presentation of own work
- Public discussion of the work of others
- Attendance at presentations of the degree project work of others.

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 in writing the information collected 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

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 two semesters 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 O7016N is equal to E7007N, O7005N

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	U G#
0002	Public discussion of others degree project	0	U G#
0003	Oral presentation	0	U G#
0004	Accepted report	30	U G#

Last revised

by Director of Undergraduate Studies Daniel Örtqvist, Department of Business Administration, Technology and Social Sciences 2017-01-13

Syllabus established

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