

Industrial Economics, Basic Course

Programme course

6 credits

Industriell ekonomi, grundkurs

TEAE01

Valid from: 2017 Spring semester

Determined by

Board of Studies for Mechanical
Engineering and Design

Date determined

2017-01-25

Main field of study

Industrial Engineering and Management

Course level

First cycle

Advancement level

G1X

Course offered for

- Computer Engineering, B Sc in Engineering
- Chemical Analysis Engineering, B Sc in Engineering
- Mechanical Engineering, B Sc in Engineering
- Computer Science and Engineering, M Sc in Engineering
- Information Technology, M Sc in Engineering
- Chemical Biology, M Sc in Engineering
- Biomedical Engineering, M Sc in Engineering
- Computer Science and Software Engineering, M Sc in Engineering
- Engineering Biology, M Sc in Engineering
- Applied Physics and Electrical Engineering - International, M Sc in Engineering
- Applied Physics and Electrical Engineering, M Sc in Engineering
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- Chemical Biology
- Engineering Electronics, B Sc in Engineering
- Mathematics, Bachelor's Programme
- Protein Science, Master's programme
- Chemistry
- Energy-Environment-Management M Sc in Engineering

Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

Prerequisites

Calculus, linear algebra

Intended learning outcomes

The course aims to give the students a holistic view of how companies operate and are governed. After the course the students should:

- Describe and explain what it takes to start and run a business.
- Describe, explain and apply different product and investment calculation methods.
- Describe, explain and apply how the budget process works at a company.
- Describe and explain the basics of accounting.
- Describe, explain and apply an annual report by calculating key financial indicators
- Communicate economic-focused information and related analyses.

Course content

How to start and run a business, stakeholders. Cost and revenue concepts. Product profitability and investment calculations, budgeting. Bookkeeping, accounting, reporting and financial analysis.

Teaching and working methods

Lectures give the background to the different areas in the course, which are then analyzed in seminars and labs. The course also includes case in which the student will be able to apply their skills in reality-based Case.

Examination

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|------|--------------------------|-----------|------------|
| LAB1 | Computer laboratory work | 1 credits | U, G |
| PRA1 | Project work | 2 credits | U, G |
| TEN1 | Written examination | 3 credits | U, 3, 4, 5 |

Holmström, N.: Företagsekonomi – från begrepp till beslut, Bonnier utbildning, or similar book.

Grades

Four-grade scale, LiU, U, 3, 4, 5

Department

Institutionen för ekonomisk och industriell utveckling

Director of Studies or equivalent

Johan Holtström

Examiner

Sofi Rehme

Course website and other links

<http://www.iei.liu.se/indek/utbildning/industriell-ekonomi/teae01?l=sv>

Education components

Preliminary scheduled hours: 135 h

Recommended self-study hours: 25 h

Course literature

Holmström, N.: Företagsekonomi – från begrepp till beslut, Bonnier utbildning, senaste utgåvan, eller liknande bok

Common rules

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva.