

# Cost Benefit Analysis

Programme course

6 credits

Cost Benefitanalys - samhällsekonomisk  
projektutvärdering

TEIE83

Valid from: 2017 Spring semester

**Determined by**  
Board of Studies for Industrial  
Engineering and Logistics

**Date determined**  
2017-01-25

## Main field of study

No Main Field of Study

## Course level

First cycle

## Advancement level

G1X

## Course offered for

- Civic Logistics, Bachelor´s Programme
- Air Transportation and Logistics

## 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.

## Intended learning outcomes

The students shall acquire knowledge about Cost-Benefit analysis (CBA) and on a deeper level understand what a CBA includes and how it is performed.

The student shall after the course more specific be able to:

- Understand and be able to describe important parts of the theory Cost Benefit is based on.
- Understand and be able to describe concepts used in CBA.
- Carry out a Cost Benefit analysis in all steps.
- Read and understand a CBA and its results made for a relevant project in the society.

## Course content

The welfare theoretical base includes concepts as consumer surplus, producer surplus, welfare and effectivity and are treated in the beginning of the course. The concepts of benefit and cost are discussed in detail. A large part of the course treat the different steps in CBA, including identifying, quantifying, valuation, discounting, sensitive analysis and presentation. An important part of the CBA is the step valuation, which will be discussed in detail. The use of CBA will be exemplified in different areas.

## Teaching and working methods

Lectures, exercises and a project work.

## Examination

UPG1	Project	2 credits	U, G
TEN1	Written examination	4 credits	U, 3, 4, 5

## Grades

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

## Department

Institutionen för ekonomisk och industriell utveckling

## Director of Studies or equivalent

Linnea Tengvall

## Examiner

Göran Hägg

## Education components

Preliminary scheduled hours: 48 h

Recommended self-study hours: 112 h

## Course literature

Mattsson, Bengt, (2006), Kostnadsnyttoanalys för nybörjare, Räddningsverket, ISBN 91-7253-286-6

## 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](http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva).