



## Course syllabus

Faculty Board of Science and Engineering  
School of Engineering

2SE014 Kostnadsanalys, 7,5 högskolepoäng  
Cost Analysis, 7.5 credits

### **Main field of study**

Total Quality Maintenance

### **Subject Group**

Industrial Engineering and Management

### **Level of classification**

First Level

### **Progression**

G2F

### **Date of Ratification**

Approved by Organisational Committee 2009-11-16

The course syllabus is valid from autumn semester 2010

### **Prerequisites**

Basic eligibility and 7.5 Higher Education Credits in Economics (JEA904), 15 Higher Education Credits in Mathematics/Mathematical Statistics (MA1081) and 15 Higher Education Credits in the subject Total Quality Maintenance.

## Expected learning outcomes

After completing the course the student is expected to be able to

- account for definitions, concepts, methods and tools of LCC/LCP in an industrial context, as well as their

applications.

- exemplify application areas for definitions, concepts, methods and tools of LCC/LCP.
- understand how LCC/LCP can be used as decision making tool/method with regards (in complement) to technical/engineering performance.

## Content

The course comprises the following elements:

- Introduction to the "time value of money"
- LCC components
- LCC models

- LCC as a decision making tool
- LCC applications in industry

## Type of Instruction

The teaching consists of lectures, group work, seminars, assignments and a case study.

## Examination

The course is assessed with the grades U,3,4 or 5.

On request, students may have their credits translated to ECTS-marks. Such a request must be sent to the examiner before the grading process starts.

The examination is based on submitted reports and oral or written presentation of compulsory assignments.

## Course Evaluation

A written course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The course evaluation will be filed at the department.

## Other

Some elements of the course may entail costs defrayed by the course participant.

The course language is English if international students attend the course.

## Required Reading and Additional Study Material

### Required reading

Choose at least one of following titles:

Benjamin S. Blanchard, *Logistics engineering and management*, Prentice hall, latest edition. 526 pages.

William G. Sullivan, Elin M. Wicks and James T. Luxhoj, *Engineering economy*, Pearson Education, latest edition. 450 pages.

Current scientific articles in addition