



## Course syllabus

Faculty Board of Science and Engineering  
School of Engineering

1SE001 Affärsdrivet kvalitetsunderhåll, 7,5 högskolepoäng  
Business driven Quality Maintenance, 7.5 credits

**Main field of study**

Total Quality Maintenance

**Subject Group**

Industrial Engineering and Management

**Level of classification**

First Level

**Progression**

G1N

**Date of Ratification**

Approved by the Board of the School of Engineering 2009-11-16

Revised 2012-07-02. Review of Literature

The course syllabus is valid from autumn semester 2012

**Prerequisites**

NO VALUE DEFINED

### Objectives

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

- account for the concepts of quality, reliability and maintenance, production logistics and life cycle cost
- understand how quality, maintenance, logistics and economy can integrate and create synergy effects
- understand the basics of project oriented way of work

### Content

The course gives a survey description of concepts, tools, methods, applications and integration of the following:

- Total Quality Management
- Reliability and maintenance
- Logistics
- Quality control
- Technological/economic effectiveness
- basic project planning

## Type of Instruction

The teaching consists of lectures, group work, laboratory work, written 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.

## Credit Overlap

The course cannot be included in a degree along with the following course/courses of which the content fully, or partly, corresponds to the content of this course: Overlaps with 1SE801 Introduction to Industrial Operations.

## Other

Some elements in the course may entail costs defrayed by the course participants.

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

## Required Reading and Additional Study Material

### Required reading

Bergman, Bo, Klefsjö, Bengt, *Quality from Customer Needs to Customer Satisfaction*, Studentlitteratur, 2010, 300/654 pages.

Jonsson, Patrik, *Logistics and supply chain management*, McGrawHill, 2008, 300/479 pages.