



## 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**

GIN

### **Date of Ratification**

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

Revised 2011-06-13. Review of Literature

The course syllabus is valid from autumn semester 2011

### **Prerequisites**

General entry requirements.

## Expected learning outcomes

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

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**

Hill, Terry, Operations Management, Palgrave Macmillan, 2nd ed., 2005 500/764 pages

### **Additional reading**

Christopher, Martin, Logistics and Supply Chain Management, Prentice Hall, latest ed.

Bergman, Bo, Klefsjö, Bengt, Kvalitet från behov till användning, Studentlitteratur, 1995.