



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 Organisational Committee 2009-11-16

The course syllabus is valid from autumn semester 2010

Prerequisites

General entry requirements. Basic eligibility.

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.

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.

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 fully with SEA915.

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, *Kvalitet från behov till användning*, Studentlitteratur, 1995. 150/620 pages.

Christopher, Martin, *Logistics and Supply Chain Management*, Prentice Hall, latest edition. 304/304 pages.

Johansson, K-E, *Driftsäkerhet och underhåll*, Studentlitteratur, 1997. 100/226 pages.