



Course syllabus

Faculty Board of Science and Engineering
School of Engineering

4SE302 Tillståndsövervakningssystem II, 7,5 högskolepoäng
Asset Health Management II, 7.5 credits

Main field of study

Total Quality Maintenance

Subject Group

Industrial Engineering and Management

Level of classification

Second Level

Progression

A1N

Date of Ratification

Approved by the Board of the School of Engineering 2010-03-03

The course syllabus is valid from spring semester 2011

Prerequisites

Condition Monitoring Technology (SE9973), or the equivalent.

Expected learning outcomes

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

- account for the data and information supply of asset health management systems
- evaluate and select the most informative condition monitoring parameter
- evaluate and select the most cost-effective condition monitoring technology
- estimate the economic effect of asset health management systems on the maintenance and allembacing company levels.

Content

The course comprises the following elements:

- Asset health management and its information support
- Methods and tools for selecting the most informative condition monitoring parameter
- The economic impact of asset health management systems
- Methods and tools for selecting the most informative and cost-effective asset health management system.

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 in 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

Basim Al-Najjar, *Compendium*. 100 pages.

Current scientific articles