



Course syllabus

Faculty Board of Science and Engineering
School of Engineering

2SE019 Affärssystem, 7,5 högskolepoäng
Integrated Business Systems, 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 2009-07-24

The course syllabus is valid from spring semester 2010

Prerequisites

Basic eligibility as well as knowledge corresponding to Information systems in Manufacturing Companies 7,5 hp, Engineering Economy 7,5 hp, Quality Management 7,5 hp, Facilities Planning and Production Management 7,5 hp, and Maintenance Planning 7,5 hp.

Expected learning outcomes

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

- Account for the concept business system; its structure, field of application and its connection to the main processes within an enterprise
- Understand the use of a business system depending on user role
- Understand possibilities and limitations within the use of business system
- Analyse requirements and based upon these choose the most appropriate business system
- Assess the benefits of business systems
- Discuss business systems with respect to business processes from an integration perspective

Content

The course comprises the following elements:

- The term business system, including history and closely related concepts such as ERP systems

- Main processes the business system supports
- Main area of use
- Main users, training and education
- The business systems life cycle: purchase, operation and maintenance
- Information handling: to provide relevant and current information
- Purchase and follow up of business systems from a strategic perspective
- Business integration and IT systems integration

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.

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

Course Evaluation

When the course has finished, an evaluation is compiled. The results are reported to the students and then archived according to the rules of the school.

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

Magnusson, J. och Olsson, B., Affärssystem, Studentlitteratur, Lund, 2005

Current articles and web pages