EH221V Seminars in Industrial Information and Control Systems 3.0 credits

Seminariekurs i industriella informations- och styrsystem

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Electrical Engineering

Specific prerequisites

Single course students: 120hp and English B/English 6 or equivalent.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After the course the participants should be able to:

- Characterize and analyze information system management issues such as information system security, modifiability, interoperability, IT-Governance, IT business value requirements engineering, project management and general architecture aspects.

- Compare, choose and motivate the usage of appropriate methods for evaluation of information systems management issues.

- Relate up-to-date research in an industriel context.

Course contents

This is a seminar course within the area of industrial information and control systems, questions regarding architecture, requirements engineering, project management and IT governance can be covered. The participants will do a project assignment where they use the results and methods from research within their industrial context.

Disposition

The course consists of six seminars and a project assignment.

Course literature

Annonseras på kurshemsida senast tre vockor innan kursstart.

Examination

- SEM1 - Seminar, 1.0 credits, grading scale: P, F
- PRO1 - Project, 2.0 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Other requirements for final grade

Attendens at five out of six seminars and an approved project assignment.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.