



SH2610 Leadership for Safe Nuclear Power Industry 6.0 credits

Ledarskap för säkerhet i kärnteknisk verksamhet

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

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

Establishment

The course plan applies from and including HT2024 according to school head decision: S-2023-2172 Decision date: 2023-12-15

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Engineering Physics

Specific prerequisites

Knowledge in Nuclear Safety and Nuclear Reactor Technology. English B / English 6

Language of instruction

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

Intended learning outcomes

After this course, the participants should be able to

- a) Identify situations where the the principle of "safety first" would appear to be in conflict with other operational objectives.
- b) Be able to use established system indicators to ensure a high level of safety culture in nuclear organisations.
- c) Communicate information to media and the public about deviations from normal operation which is correct and to the point.

Course contents

Safety and quality.

Organisation in nuclear technology.

Communication and media.

Leadership and theory of organisation.

Examination

- INL1 - Assignment, 3.0 credits, grading scale: P, F
- PRO1 - Case Study, 3.0 credits, grading scale: A, B, C, D, E, FX, 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.

Case study of leadership within nuclear power industry (3 hp, grade A-F)

Home assignment on organisation and leadership in nuclear power industry (3 hp, grade P/F)

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.