SH2609 The Nuclear Fuel Cycle 6.0 credits

Kärnbränslecykeln

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

Establishment

Course syllabus for SH2609 valid from Autumn 2011

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Engineering Physics

Specific prerequisites

Courses in reactor physics (SH2600) and reactor engineering (SH2702) or corresponding knowledge

Language of instruction

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

Intended learning outcomes

The aim of the course is to familiarise the participants with industrial processes and facilities for nuclear fuel fabrication and management of spent nuclear fuel

Course contents

Field trips to a uranium mine, a nuclear fuel factory and facilities for management of spent nuclear fuel

Examination

- SEM1 - Seminar, 1.0 credits, grading scale: P, F
- INL1 - Home Assignments, 1.0 credits, grading scale: P, F
- PRO1 - Project Report, 1.0 credits, grading scale: P, F
- SEM2 - Seminar, 1.0 credits, grading scale: P, F
- FÄLT - Field Trip, 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.

Home assignments, written report and final seminar

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.