



# ED2247 Project in Fusion Research 9.0 credits

## Projekt i fusionsforskning

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 official course syllabus is valid from the autumn semester 2022 in accordance with head of school decision: J-2021-1913. Decision date: 14/10/2021

## Grading scale

P, F

## Education cycle

Second cycle

## Main field of study

Electrical Engineering

## Specific prerequisites

Knowledge in plasma physics, 6 higher education credits, equivalent completed course EF2200/ED2200/ED2210/ED2240.

The upper secondary course English B/6

## Language of instruction

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

## Intended learning outcomes

After passing the course, the student should be able to

- carry out one or more typical tasks in fields relevant for fusion research
- formulate a realistic objective for a time limited task
- follow up the work and document it.

## Course contents

The course includes a project relevant for fusion research. The project can include:

- design and carrying out fusion relevant experiments
- analysis of data from fusion relevant experiments or computer simulations
- carrying out fusion relevant computer simulations
- development of models and softwares that are relevant for fusion research

## Examination

- PRO1 - Project, 9.0 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.

## 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.