



# FSK3002 Seminar Course in Applied Physics (two years) 3.0 credits

Seminarkurs på Tillämpad Fysik (två år)

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

Course syllabus for FSK3002 valid from Spring 2019

## Grading scale

P, F

## Education cycle

Third cycle

## Specific prerequisites

Admitted to doctoral studies at Applied Physics, SCI, KTH.

## Language of instruction

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

## Intended learning outcomes

To broaden and deepen the student's knowledge in the different areas of ongoing research of the Department of Applied Physics. Upon completion of the course, the student should be able to describe cutting-edge research and technology in a few areas different from his/her own and identify their connections with other fields of research.

## Course contents

The course encompasses seminars organized by the seven divisions of the Department. The speakers present state-of-the-art and cutting-edge research in their respective areas as well as contiguous ones.

## Disposition

The PhD student takes part to the seminars organized by the Department of Applied Physics (every other Thursday, 9 o'clock) and provides a record of his/her presence by signing on the list of participants, which is circulated during the seminars.

The examination is once a year in the form of a seminar lecture in which the doctoral student reports on one of the seminars that she/he has followed in the year. The selected topic should be outside his/her own area of research.

## Course literature

Provided during the seminar, plus ev. additional self-study material

## Examination

- RED1 - Presentation, 3.0 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.

The attendance lists are filed in by the Applied Physics administrator. At the end of the year, the doctoral student requests from the administrator a certificate of attendance (with attendance rates), which is then provided to the examiner.

Examination-lectures are arranged ad-hoc with the examiner and other students.

## Other requirements for final grade

- Attendance rate to the departmental seminars above 70%, over two years;
- Two oral presentation on specific seminar topics ( one per year) approved by the examiner.

## 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.