# FSI3110 Group and Representation Theory 7.5 credits

## Grupp- och representationsteori, allmän kurs

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

## Establishment

Course syllabus for FSI3110 valid from Spring 2009

## Grading scale

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## Education cycle

Third cycle

## Specific prerequisites

## Language of instruction

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

## Intended learning outcomes

## Course contents

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This is a reading course in group and representation theory, with weight on Lie groups useful in applications in particle physics and quantum field theory.

## Course literature

The course material is determined in a discussion with the examiner.

## Examination

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

The course is completed by reading appropriate literature and doing homework exercises. Either written or oral examination.

## 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.