



# FSF3715 Classical Combinatorics 7.5 credits

Klassisk kombinatorik

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 FSF3715 valid from Autumn 2016

## Grading scale

## Education cycle

Third cycle

## Specific prerequisites

A degree in Civil Engineering, a Masters degree, or equivalent. FSF3711 Algebraic and enumerative combinatorics (graduate course).

## Language of instruction

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

## Intended learning outcomes

The student should after the course have become familiar with classical problems and papers in combinatorics and be able to apply methods in the papers on problems of similar nature. The student will have improved her or his skills in presenting research articles and topics to others.

## Course contents

Classical topics and papers in combinatorics.

## Disposition

Reading and discussing research articles, and taking turn in presenting the articles to the other participants.

## Course literature

Research articles and handouts.

## 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.

Active participation in the lectures is required.

## Other requirements for final grade

Oral presentations of research articles and the methods used therein. Seminar discussions.

## 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.