



# FSF3000 Ethics, sustainability and equity for mathematicians

## 5.0 credits

Etik, hållbarhet och jämställdhet

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 FSF3000 is valid from Spring 2023. (S-2023-0041). Date for decision 2023-01-31.

### Grading scale

P, F

### Education cycle

Third cycle

### Additional regulations

PhD students in mathematics and applied mathematics are eligible, and no others.

### Specific prerequisites

PhD students in mathematics and applied mathematics are eligible, and no others.

## Language of instruction

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

## Intended learning outcomes

After completing this course, students will have acquired knowledge and abilities to analyze and make judgments regarding the interaction between mathematics and the scientific community as well as society at large. Students will be conscious of research ethics and the role of mathematics in questions of sustainability and gender equality.

## Course contents

The course consists of 2 modules.

### 1. Research ethics

This module can be completed by

- A. active participation in a workshop on the topic, organized on a regular basis by the department of mathematics, or
- B. passing a relevant PhD-level course on research ethics, of at least 2hp. The eligibility of courses is decided by the examiner.

### 2. Sustainability and diversity, equity & inclusion

This module can be completed by

- A. active participation in a workshop on the topic, organized on a regular basis by the department of mathematics or in collaboration with other actors, or
- B. passing a relevant PhD-level course. The eligibility of courses is decided by the examiner.

Both sustainability and equity need to be covered.

Different modes of passing the individual modules are possible if advisor and examiner agree and if the student showed a measurable, substantial and relevant contribution.

## Examination

- ÖVN1 - Exercises, 5.0 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 examiner keeps track of completion of the modules for each participant. The participant is required to send proof of completion of a module to the examiner in a timely manner.

## **Other requirements for final grade**

Completion of all modules.

## **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.