



## Philosophy of Mathematics (7,5 ECTS credits)

Level: 1st cycle

Discipline: PHILOSOPHY

Course ID: 0257

### Admission requirements

General admission requirements for university studies. Students taking part in the course as a part of their Bachelor's degree program must have completed Course A, Introduction in Philosophy and Theology (30 ECTS credits). If taken as part of a degree program, the courses General Ethics (7,5 ECTS credits) and History of Philosophy I-II (15 ECTS credits) should be completed.

### Educational goals

After completing the course, the student is expected to:

- Be able to give a general overview of some of the central problems in philosophy of mathematics, as well as present some of the main themes of some significant philosophers of mathematics;
- Be able to account for the possibilities and limits of mathematical methods;
- Show the ability to critically reflect on some central questions in philosophy of mathematics.

### Course content

Mathematics is often applied when someone wants to be absolutely certain. But mathematics can also deceive if applied in domains where it does not belong. What is mathematics? What is it to calculate? What is mathematical judgment? How certain is mathematics? And what about mathematics in the science and religion dialogue? This course explores some of the key issues in the philosophy of mathematics.

### Teaching and examination

*Partial distance with local instruction*

Instruction will be in the form of online teaching and two full days of local meetings. Examination will be in the form of a final paper (5–8 pages).

### Bibliography

Shapiro, Stewart, *Thinking about mathematics* (Oxford: Oxford University Press 2000), 308 sidor.

Articles provided during the teaching period.

See also "Kursplaner: allmänna bestämmelser" (Course plans: General rules)

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Valid as 2019-03-15