

# Children's Mathematical Development

Programme course

7.5 credits

Barns matematikutveckling

948A07

Valid from:

**Determined by**  
The Board of Educational Science

**Date determined**  
2009-08-27

**Revision date**  
2013-02-14

## Main field of study

Special Education

## Course level

Second cycle

## Advancement level

A1X

## Course offered for

- Special Needs Training Programme, Mathematics

## Entry requirements

15 HE credits passed on the Special Teacher Education Programme or equivalent.

## Intended learning outcomes

On completion of the course, the student should be able to

- present different theoretical perspectives on school mathematics,
- demonstrate high awareness of different didactic approaches to learning and teaching of mathematics
- analyse and problematise different aspects of pupils' development within the field of mathematics,
- identify different factors that influence learning in mathematics.

## Course content

Theories of learning and different didactic models are covered in the course. Conceptual and mathematical development in pre-school and primary and lower-secondary school is also studied in the course. An additional field covered in the course is factors influencing learning in mathematics, for example cognitive, emotional, social and cultural factors.

## Teaching and working methods

Lectures, seminars and field studies are included in the course. Studies of literature, preparations prior to seminars and group assignments as well as completion of course assignments are also part of the course. In addition to scheduled time, students are expected to work with independent studies, individually and/or in groups.

## Examination

The course is examined through a written presentation.

## Grades

Two-grade scale, U, G

## Other information

Planning and implementation of a course must take its starting point in the wording of the syllabus. The course evaluation included in each course must therefore take up the question how well the course agrees with the syllabus. The course is carried out in such a way that both men's and women's experience and knowledge is made visible and developed.

## Department

Institutionen för beteendevetenskap och lärande