



Course syllabus

Faculty of Technology

Department of Mathematics

2MAÄ05 Verksamhetsförlagd utbildning för ämneslärare i matematik II - inriktning mot arbete i årskurs 7-9, 7,5 högskolepoäng

2MAÄ05 Teaching practice placement for lower secondary school teachers of Mathematics II, 7.5 credits

Main field of study

Mathematics

Subject Group

Mathematics

Level of classification

First Level

Progression

G2F

Date of Ratification

Approved by Faculty of Technology 2013-08-19

The course syllabus is valid from spring semester 2014

Prerequisites

Studies of at least 60 credits in a subject, 22, 5 credits in the core education subjects, teaching practice for Secondary school teachers 7, 5 credits and 1MAÄ01 Mathematics I – for lower secondary school teachers 30 credits.

Objectives

After the course the student should be able to:

- plan and implement the teaching and compare this with previous teaching experience
- build professional relationships with colleagues in order to share learning experiences and to plan learning activities
- apply the policy documents fundamental values in their own operations

Content

The course covers the following topics:

- auscultation
- participation in the teacher / supervisor all duties

- policy documents
- planning, implementation, documentation and evaluation of mathematical topics
- documentation and evaluation of pupils' knowledge

Professions base and professional progression

The course is the second stage in the student's work placement professional progression.

Scientific approach and scientific progression

As for the student's scientific progression the course is a opportunity to note the activities issues and problems and relate them to the rest of education.

Required presence

During the practical part of training the student should be present and participate actively in the activities during five weeks full time.

Type of Instruction

Teaching Practice is in itself a form of teaching in which the student develop the teaching profession relevant action competencies, general as well science education. Instruction is also in the form of dialogue and reflection on experiences and teaching situations involving a Teaching Practice supervisor and teacher trainers.

Examination

The course is assessed with the grades Fail (U) or Pass (G).

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Required Reading and Additional Study Material

Required Reading

Bergsten, Christer, Häggström, Johan & Lindberg, Lisbeth (1997). Algebra för alla. Nämnaren Tema, NCM. ISBN 9188450082

Emanuelsson, Göran, Wallby, Karin, Johansson, Bengt & Ryding, Ronnie (2000). Matematik – ett kommunikationsämne. Nämnaren Tema, NCM. Göteborgs universitet, 1996. P 150. ISBN 9188450066

Hansen, Hans Christian, Skott, Jeppe & Jess, Kristine. (2009). Matematik för lärare. Ypsilon band 1, Gleerups förlag. ISBN13: 9789140668134

Myndigheten för skolutveckling, Mer än matematik, Liber distribution, 2008, ISBN 9789185589463

National Research Council (2001). Adding it up: Helping Children learn mathematics. In Jeremy Kilpatrick, Jane Swafford, & Bradford Findell (Eds.). Mathematics Learning Study Committee, Center for Education, Division of Behavioral and Social Sciences and Education. Washington, DC: National Academy Press. (app. 100 p), ISBN13: 9780309069953

Skolverket. Kursplan och betygskriterier för ämnet matematik. Stockholm: Skolverket. www.skolverket.se/sb/d/165/a/8906