



## Course syllabus

Faculty Board of Health, Social Work and Behavioural Sciences  
School of Education, Psychology and Sports Science

1UV002 Läs-, skriv- och matematikutveckling i förskoleklass II, 15  
högskolepoäng

The Development of Basic Literacy and Numeracy in preschool  
class, 15 credits

### **Subject Group**

Educational Sciences/General Didactics

### **Level of classification**

First Level

### **Progression**

G1F

### **Date of Ratification**

Approved by the Board of the School of Education, Psychology and Sports Science  
2009-11-19

The course syllabus is valid from autumn semester 2010

### **Prerequisites**

NO VALUE DEFINED

## Expected learning outcomes

*Overall expected learning outcomes:*

On completion of the course, students should be able to problematise and remain critical to what contributes to the role of the teacher in preschool class. Furthermore, students should problematise the educational content in preschool class as well as independently analyse and take a stand on content, processes, methods and selection within the field of mathematics, language, reading and writing development

*Module 1: Mathematics and Teaching in Preschool class 7.5 credits*

On completion of the module, students should be able to:

- examine and analyse teaching aids for the teaching of mathematics
- demonstrate the ability to didactically deal with important elements in mathematics for the early years
- problematise integrations within and between subjects with focus on the teaching of mathematics.
- give an outline of current research regarding younger pupils and mathematics in preschool

*Module 2: The Development of Basic Literacy in Preschool class 7.5 credits*

On completion of the course, students should be able to:

- analyse texts and pupil-produced texts
- account for early work in order to prevent basic literacy difficulties
- problematise assessment as an integrated part of the learning, teaching and assessment of basic literacy development
- problematise integration within and between subjects with focus on the teaching of reading and writing.

## Content

The aim of the course is for students to gain different perspectives and attitudes so that they may be able to understand and relate to the specific conditions and practice of preschool class. The course focuses on deepening students' knowledge of children's fundamental reading, writing and mathematical development in order to be able to support and challenge children's abilities. Didactic issues regarding the educational practice of preschool class on the basis of its place in the education system is problematised. As a basis for the module, the knowledge requirements for the course syllabus are Swedish and mathematics as well as National Examination (Nationella prov) for year 3.

### ***Module 1 Mathematics and Teaching in Preschool Class 7.5 credits***

- methods of working in mathematics (problem solving, theme, IT, mathematics workshop, outdoor mathematics, investigative methods of working)
- documentation and evaluation of knowledge in mathematics
- analysis of teaching aids
- current research in mathematics

### ***Module 2 The Development of Basic Literacy in Preschool class 7.5 credits***

- subject theory, subject didactics and subject methodology in early learning of reading and writing
- analysis of teaching aids
- genre awareness
- strategies for prevention of basic literacy difficulties
- documentation, mapping and assessment of reading and writing development

## Type of Instruction

The course runs as a distance course with a number of obligatory meetings that consists of lectures, seminars, group exercises and oral presentations. Other studies are carried out in written form, individually and in groups, via the distance platform.

## Examination

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

## Course Evaluation

Course evaluations are carried out on a continuous basis verbally and/or in writing throughout the course. When the course has finished, an evaluation is compiled. The results are reported to the students and then archived according to the rules of the school.

## Required Reading and Additional Study Material

***List of references Module 1 - Mathematics and Teaching in Preschool Class 7.5 hec***

Dahl, K & Rundgren, H. (2004). *På tal om matte i förskoleklassens vardag*. Sveriges Utbildningsradios AB.

Emanuelsson, G. m. fl. (red). (2000). *Matematik från början*. Nämnaren Tema, NCM. Göteborgs universitet.

Heiberg-Solem, I. & Lie-Reikerås, E-K. (2004). *Det matematiska barnet*. Stockholm: Natur och Kultur, (344 p).

Karlsson, M. m. fl. (2006). *Förskoleklassen – ett tionde skolår?* Stockholm: Liber, (175 p).

Kilborn, W. & Löving, M. (2002). *Baskunskaper i matematik*. Lund: Studentlitteratur, (372 p).

Olsson, I. & Forsbäck, M. (2006). *Utematte för meningsfullt lärande. Förskoleklass – Skolår 3*. Västerås: Ingrid Olsson, (118 p). ISBN 91-976049-0-9

Persson, A. & Wiklund, L. (2007). *Hur långt är ett äppelskal? Tematiskt arbetsätt i förskoleklass*. Stockholm: Liber

Rystedt, E. & Trygg, L. (2005). *Matematikverkstad*. Göteborg: Göteborgs universitet, NCM, (136 p).

Skolverket. (2003) *.Analyschema i matematik -för åren före skolår 6*.  
[www.skolverket.se/sb/d/260/a/14694](http://www.skolverket.se/sb/d/260/a/14694)

Skolverket. *Läroplan för det obligatoriska skolväsendet, förskoleklassen och fritidshemmet, Lpo94*. [www.skolverket.se/sb/d/468](http://www.skolverket.se/sb/d/468)

*Kursplan och betygskriterier för ämnet matematik*.  
[www.skolverket.se/sb/d/165/a/8906](http://www.skolverket.se/sb/d/165/a/8906)

Scientific articles also included.

### ***List of references Module 2 - The Development of Basic Literacy in Preschool class 7.5 hec***

Bjar, L. (2006) (red). *Det hänger på språket*. Lund: Studentlitteratur, (parts of).

Elbro, C. (2004). *Läsning och läsundervisning*. Stockholm: Liber, (212 p).

Henriksson, L. (2006). *Nya Bokpuffar. Lekidéer kring bilderböcker och berättande i förskola och skola*. Stockholm: En bok för alla, (120 p).

Keene, E.O. & Zimmermann, S. (2003). *Tankens mosaik. Om mötet mellan text och läsare*. Uddevalla: Daidalos, (265 p).

Lundberg, I. & Herrlin, K. (2003). *God läsutveckling - kartläggning och övningar*. Stockholm: Natur & Kultur, (72 p).

Persson, A. & Wiklund, L. (2007). *Hur långt är ett äppelskal? Tematiskt arbetsätt i förskoleklass*. Stockholm: Liber

Skolverket. (2008). *Nya Språket lyfter*. Stockholm: Skolverket

Skolverket. (2005). *Kursplan med kommentarer till mål som eleverna lägst ska ha uppnått i slutet av det tredje skolåret*. Stockholm: Skolverket.

Utbildningsdepartementet. (1998). *Läroplan för förskolan, Lpfö 98*. Stockholm:

Skolverket och Fritzes, (16 p).

Utbildningsdepartementet. (1998). *Läroplan för det obligatoriska skolväsendet, förskoleklassen och fritidshemmet, Lpo94*. Västerås: Skolverket och Fritzes, (19 p).

Also included:

- fictional literature for children
- scientific articles