1 Confirmation
The syllabus was confirmed by the Department of Pedagogical, Curricular and Professional Studies, 2012-11-14, valid from 2013
Responsible department: Department of Pedagogical, Curricular and Professional Studies
Field of Education: Educational Sciences

2. Position in the educational system
The course "Classics in Mathematics Education Research" is an optional course within the doctoral program at the Faculty of Education

3. Entry requirements
To enter the course students have to be registered in a PhD programme

4. Course content
This course will provide an overview of articles within the field of mathematics education that have come to be considered as classics due to their strong influence on the development of the field during the second half of the 20th century. The course will include an assembly of around 15 classics collected by Carpenter, Dossey and Koehler (2004) spanning over a variety of research questions concerning teaching practices, student achievement, conceptualisations, mathematical thinking, cultural contexts, ethnomathematics and socio-mathematical norms. Different mathematical content topics and research methodologies will be discussed and specifically related to research approaches chosen by the participating students.

The course literature will provide the basis for discussions about:
- What has been the focus of mathematics education research during this period?
- How do the results of these classics influence present research?
5. Outcomes
After completion of the course the students will be able to:
- Identify researchers and findings that have come to be considered classics in mathematics education.
- Identify the variety of journals where important findings in mathematics education research have emerged.
- Relate their own research to relevant classics in the field of mathematics education.
- Critically examine articles in their own interest area to identify key findings, and argue for their present or future importance.

6. Schedule for the course
"See separate schedule".

7. Required reading
"See separate reading list".

8. Assessment
Assessment will be based on students’ contribution to group discussions, students’ oral presentation and an individually written essay. The written essay should relate the student’s own field of interest to classics in mathematics education research. The essay should be written in Swedish or English and span between 3000 and 6000 words.

9. Grading scale
The grading scale comprises Fail, (U) and Pass (G)

10. Course evaluation
Evaluation is an integrated part of the course module. The results of the evaluation will function as a guide for the development of future courses.

11. Additional information
The course will be held in English if there are non Swedish speaking participants, in Swedish otherwise.