



Faculty of Health, Science, and Technology

Doctoral Programme Course

Course Approval

The syllabus was approved by the Board of the Faculty of Health, Science, and Technology on 2016-06-08 (Reg.no. HNT 2016/185) and is effective from the Autumn of 2016.

Discipline/Main field of study

Mathematics with alignment Mathematics Education

Course Title

Insights and prospects on research on teachers' professional development

Higher Education Credits

7,5 hp/ECTS

Language of Instruction

Swedish or English

Degree Level

Doctoral

Prerequisites

Admission to a doctoral programme. The course is also open to non-doctoral student's subject to individual approval.

Learning Outcomes

After completing the course, students should be able to:

- Assess the theoretical coherence of published research in teachers' professional development
- Assemble theoretical arguments from various references in general as well as with special consideration to the own PhD project
- Show profound knowledge of teachers' professional development and research on teachers' professional development
- Show a high level in discussions and explanations, and critically evaluate and interpret research in teachers' professional development

Course Content

The focus of the course is to study research in relation to (mathematics) teachers' learning and professional development, teachers in-service training and professional development culture, but also general aspects of teachers' professional development are treated.

During the course research reviews and articles are discussed. Key concepts like design principles, sustainable learning, peer learning, as well as different perspectives on teachers' professional development (individual, subject, school, society) are studied.

Teaching and learning takes place during seminars where teacher and student-led discussions are key. The student is given periods of pre-reading and reflection and is expected to present orally and in text during the seminar.

Course Literature

See separate document

Examination

The course is examined through three written assignments (including a popular science text), two oral presentations, as well as active participation during all five seminars.

Course Certificate

Course certificate is issued on request.

Quality Assurance

The purpose of the course management is to promote a continuous dialogue on teaching processes and on fulfillment of learning outcomes. A written evaluation is performed at the end of the course, combined with a discussion between students and teachers of their experiences with all pertinent aspects of the course.

Course evaluations are compiled by the responsible department in accordance with the quality assurance procedures laid down by the Faculty and are made available to the Faculty Board no later than one semester after completion of the course.

Grades

One of the grades Fail (U) or Pass (G) is awarded in the examination of the course.