

Syllabus

PhD Course Doctoral programme in Special Education directed towards Early Interventions in Early Childhood Education

Design, Measurement and Assessments

(*Kursens svenska titel: Design, mätning, bedömning*)

7,5 ECTS credits

Course code: UQ007FU

Valid from: Spring semester 2019

Date of approval: 2018-10-23

Department: Special Education

Subject: Special Education

Decision

Course plan approved by the Board of the Department of Special Education.

Prerequisites and special admittance requirements

Admitted to a PhD programme. PhD students admitted to the Doctoral programme in Special Education directed towards Early Interventions in Early Childhood Education have priority. PhD students admitted to the PhD programme in Special Education at Department of Special Education have second priority.

Kursens behörighetskrav, på svenska:

För tillträde till kursen krävs att studenten är antagen som doktorand till en forskarutbildning. Doktorander antagna till forskarutbildningen i Specialpedagogik, med riktning mot tidiga insatser i lärandemiljöer inom förskola och under de första skolåren ges förtur till kursen. Doktorander antagna till forskarutbildningen i Specialpedagogik vid Specialpedagogiska institutionen har därefter förtur till kursen.

Department of Special Education

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Learning outcomes

After having completed the course, course participants will be able to:

- analyze pros and cons with different designs in relation to validity, reliability, and causality
- psychometric evaluation of instruments
- write a pre-registration of a study, including power analysis
- describe different aspects of reproducibility and Open science relevant to the students' own research describe the different parts of, and perform the coding parts of, meta-analysis and systematic reviews

Course content

The course will have the following course content

- Different types of study design
- Validity and reliability
- Power analysis for different designs
- Causality
- Test construction and psychometrics
- Reproducibility of analyses
- Open Science
- Pre-registration of studies
- Meta-analyses and systematic reviews

Education

Lectures, seminars, activities on web platform.

Forms of examination

Oral and written examinations.

Course literature

Current list of literature is published on the institution's website www.specped.su.se.

Current list of literature is available no later than two months before the start of the course.

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