

Foundations of research of Information Technology in education, 7,5 HE credits

Fundament för forskning om utbildning och IT, 7,5 hp

Established: 2018-05-18

Established by: School of Business, Economics and IT

Applies from: H18

Learning outcomes

Knowledge and understanding

Upon completion of this course the student should be able to:

- demonstrate in-depth knowledge of the primary theoretical trends that have taken place in the field of IT and education, internationally as well as within Swedish research
- demonstrate in-depth knowledge and understanding of theoretical approaches to the analysis of learning in relation to IT

Competence and skills

Upon completion of this course the student should be able to:

- demonstrate an ability to discuss and describe his or her own research in relation to these research traditions

Judgement and approach

Upon completion of this course the student should be able to:

- demonstrate insight into the lasting effects that various traditions have had on research in the field of IT and learning in education

Entry requirements

The student should fulfil the requirements for acceptance to third-cycle studies in Informatics with a specialization in work-integrated learning or another field with relevance to IT & Learning. The student shall be admitted to a doctoral (third-cycle study) program.

The forms of assessment of student performance

Course objectives are examined throughout 6 seminars: five literature seminars, at which the students present and discuss, orally and in writing, their individually composed texts, and a final review, at which time the participants each present and discuss a text describing their review of research on IT in education in Sweden, and relate these to the different research strands in the course.

Other regulations

Course grading: Failed or Passed

Course language: English

The course can be taken as a distance course with students participating via video conference.

Cycle

Third cycle

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Course contents

- Theoretical foundations, methodological approaches, and empirical contexts that are used in describing the relationship between IT and learning from the 1960s and onward
- Teaching Machines
- LOGO-as-Latin
- Distance education
- Artificial intelligence in education
- Computer-Supported Collaborative Learning
- Mobile learning
- Swedish research on IT in education