

**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.

**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

### **Other regulations**

Course grading: Failed or Passed

Course language: The teaching is conducted in English.

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

### **Cycle**

Third cycle