PDA675   Technology, knowledge and learning: An introduction, 15 credits

Teknologi, kunskap och lärande: En introduktion, 15 högskolepoäng
Second Cycle

Confirmation

This course syllabus was confirmed by Department of Education, Communication and Learning on 2014-06-18 and was last revised on 2023-05-26 to be valid from 2023-08-28, autumn semester of 2023.

Field of education: Social Sciences 100%
Department: Department of Education, Communication and Learning

Position in the educational system

The course is mandatory in the International Master's Programme in Information Technology (IT) and Learning. The course can also be given as a freestanding course.

The course can be part of the following programme: 1) International Master's Programme in Information Technology and Learning (S2ITL)

Main field of studies	*Specialization*
Education with Specialization in Learning, Communication and Information Technology	A1N, Second cycle, has only first-cycle course/s as entry requirements

Entry requirements

To be eligible for the course the student must possess a Bachelor's degree with a minimum of 180 higher education credits or an equivalent degree.

Furthermore, the student must demonstrate proficiency in English equivalent to English B (Swedish upper secondary level) or English 6 (equivalent) with at least a pass, or a valid test of English as a foreign language TOEFL (232 computer based), 575 (paper based) or IELTS with a minimum score of 6.0 in all scores, alternatively a Bachelor's degree from an education offered in English.

Learning outcomes

On successful completion of the course the student will be able to:

Knowledge and understanding
> account for and compare central perspectives on learning
> relate central perspectives on learning to research and practice in the field of IT and Learning
> critically analyze and discuss recent research in relation to central perspectives on learning within the field of IT and Learning

Competence and skills
> assemble a selection of research literature in the field of IT and Learning for a defined question or topic
> present arguments based on the research literature in the form of an academic paper

Judgement and approach
> reflect on and document their own knowledge and experience in relation to future work life possibilities in a portfolio
> discuss social and technical sustainability issues within the research and applied field of IT and learning

The course is sustainability-related, which means that at least one of the learning outcomes clearly shows that the course content meets at least one of the University of Gothenburg's confirmed sustainability criteria.

Course content

The course introduces IT and Learning as an international field of research and practice by presenting key themes and categorizations of knowledge in the domain. It focuses on conceptual and critical approaches to the knowledge domain while including activities that address emerging technologies and contemporary debates in the field. An important feature of the course is the emphasis on peer learning activities and the academic writing processes. The course is related to the United Nation's sustainability development goal Education for All, and thereby problematizes how IT socially and technically can support or limit participation in learning activities.

The course includes the following four themes:

- Overview over classic and contemporary research traditions in the field of IT and Learning
- Conceptualizations of technology in the Learning Sciences and IT and Learning
- IT and Learning as a field of application

- Emerging technologies and contemporary debates within the field of IT and Learning

Form of teaching

The course is based on lectures, workshops, literature seminars and net-based seminars. Group and individual work are a part of the course.

Language of instruction: English

Assessment

The assessment is based on the following individual assignments:

- written exam (graded as Pass (G) or Fail (U), 5 credits)
- written course paper in the form of a literature review (graded as Pass with Distinction (VG), Pass (G) or Fail (U), 7 credits)
- digital portfolio (graded as Pass (G) or Fail (U), 3 credits)

If a student, who has failed the same examined component twice, wishes to change examiner before the next examination, a written application shall be sent to the department responsible for the course and shall be granted unless there are special reasons to the contrary (Chapter 6, Section 22 of Higher Education Ordinance).

In cases where a course has been discontinued or has undergone major changes, the student shall normally be guaranteed at least three examination occasions (including the ordinary examination) during a period of at least one year from the last time the course was given.

Grades

The grading scale comprises: Pass with Distinction (VG), Pass (G) and Fail (U). Three tasks are examined in the course. All these need to be completed in order to reach the grade Pass (G). The individual course paper is the foundation for the assessment for Pass with distinction (VG).

- written exam (graded as Pass (G) or Fail (U), 5 credits)
- written course paper in the form of a literature review (graded as Pass with Distinction (VG), Pass (G) or Fail (U), 7 credits)
- digital portfolio (graded as Pass (G) or Fail (U), 3 credits)

The student have the right to change examiner, if practically possible, after having been failed (given the grade U) twice on the same examination. A written request for this is to be sent to the department.

Course evaluation

After completion, the course will be evaluated anonymously by the students. A

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summary of the evaluation results together with any suggestions for improvement will be made available.

Additional information

Some course components may be conducted online.

Net-based information and communication via The University of Gothenburg's learning platform is applied and a computer with internet access is a prerequisite during the course.