



## DEPARTMENT OF EDUCATION, COMMUNICATION AND LEARNING

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

Teknologi, kunskap och lärande: En introduktion, 15 högskolepoäng

*Second Cycle*

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#### **Confirmation**

This course syllabus was confirmed by Department of Education, Communication and Learning on 2014-06-18 and was last revised on 2021-07-01 to be valid from 2021-08-30, autumn semester of 2021.

*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*

Education with Specialization in Learning, Communication and Information Technology

#### *Specialization*

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*

- describe, characterize and classify different approaches within the research field of IT and Learning

### *Competence and skills*

- identify epistemological differences and theoretical contributions in the field of IT and Learning
- identify and critically examine current popular theories and applications in the field of IT and Learning in relation to major historical research traditions
- demonstrate and problematize the relations between theories of learning, knowledge and technological change
- contextualize technology use within different designs of learning and knowledge domains

### *Judgement and approach*

- develop academic writing and peer assessment competences
- judge the relevance of different IT and Learning approaches for application within the field

## Course content

The course provides an introduction to IT and Learning as an international field of knowledge and application by presenting thematic structures and categorizations of the field. Conceptual and critical approaches to the field of knowledge is in focus, combined with activities that address emerging technologies and contemporary debates in the field. An important feature of the course is peer learning activities and academic writing processes.

The course comprises four parts:

- 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 assignments:

- Digital portfolio assignment
- Individually written exam
- Individually written paper

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).

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**

An evaluation will be conducted after completion of the course. Evaluation is given anonymously by the student. The results from the course evaluation will be compiled and made available to the students. If changes are implied by the evaluations, these should be presented. Compilation of the course evaluation is to be available for students attending the next time the course is offered.

**Additional information**

Due to the outbreak of Covid-19, a decision has been made at the University of Gothenburg on temporary changes in curricula regarding a full or partial transition to distance learning. This refers to syllabuses at undergraduate and advanced level, see the Vice-Chancellor's policy decision from 2021-04-22 regarding the university's activities for summer and autumn semester 2021 (Dnr: GU 2020/2832).

The transition has led to changes in the forms of teaching and changes in the forms of examination during the autumn semester 2021. University of Gothenburg's learning platform is used for online information and communication and a computer with internet connection is required for course participation.