



## Course syllabus

Faculty of Technology

Department of Informatics

1IL227 Informationsbegreppet, 7,5 högskolepoäng

1IL227 Information Concept, 7.5 credits

### **Main field of study**

Informatics

### **Subject Group**

Informatics/Computer and Systems Sciences

### **Level of classification**

First Level

### **Progression**

G1N

### **Date of Ratification**

Approved 2012-08-17

Revised 2021-11-17 by Faculty of Technology. Literature list is revised.

The course syllabus is valid from spring semester 2022

### **Prerequisites**

General entry requirements for university studies.

## Objectives

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

- explain and problematize central concepts such as data, information, knowledge, information systems as well as how these concepts are used in information logistics
- explain the role of information within various organisational contexts and from different theoretical and methodological perspectives
- explain different types of knowledge that are used in learning organisations and their contribution to the organisational development
- analyze organisational and individual information needs from different perspectives
- identify problems in connection with information management and suggest solutions in order to deal with them.

## Content

The course comprises:

- definition and use of concepts such as data, information, knowledge and information systems within information logistics context
- the role of information within various organisational contexts: information needs, information resources, information life cycle, information quality and information security
- the role of information and information management from different theoretical and methodological perspectives, such as systems thinking, goods dominant logic (GDL) and service dominant logic (SDL)
- different types of knowledge and knowledge management within learning organisations
- problems in connection with information management, such as lack of information, information asymmetry and information overflow

## Type of Instruction

The teaching consists of lectures, group work and seminars. Participation in group work and seminars is compulsory.

## Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

Assessment of student performance is made through written test and/or oral examinations and/or presentation of mandatory assignments. The assessment method is decided at the start of the course.

Students who do not pass the regular examination will be offered retrials close to the regular examination.

## Course Evaluation

A course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The result of the course evaluation will be filed at the department.

## Required Reading and Additional Study Material

### Required Reading

Brown, J., & Duguid, P. (2017). *The social life of information*. Boston, Harvard Business Review Press.

Checkland, P. & Holwell, S. (1998). *Information, systems and information systems: making sense of the field*, Chichester, Wiley.

Choo, C. (2006). *The knowing organization: How organizations use information to construct meaning, create knowledge, and make decisions* (2.nd ed.). New York, Oxford University Press.

Hillard, R. (2010) *Information-Driven Business: How to Manage Data and Information for Maximum Advantage*, New York, John Wiley & Sons.

### Compendium

### Reference literature

Arp, R., Smith, B. & Spear, A.D. (2015). *Building ontologies with basic formal ontology*, Cambridge, MIT Press.

Floridi, L. (2010). *Information: a very short introduction*, Oxford, Oxford University Press.

Webster, F. (2014). *Theories of the Information Society* (4th ed.), London, Routledge.