Linnæus University

Course syllabus

Faculty Board of Science and Engineering
School of Computer Science, Physics and Mathematics

1IL227 Informationsbegreppet, 7,5 högskolepoäng
Information Concept, 7.5 credits

Main field of study
Information Systems

Subject Group
Informatics/Computer and Systems Sciences

Level of classification
First Level

Progression
G1N

Date of Ratification
Approved by the Board of the School of Computer Science, Physics and Mathematics 2012-08-17

The course syllabus is valid from spring semester 2013

Prerequisites
General entry requirements.

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 an 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.

On request, students may have their credits translated to ECTS-marks. Such a request must be sent to the examiner before the grading process starts.

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
Floridi, Luciano (2010). Information – A very short Introduction. Oxford University Press. 152 p. ISBN: 9780199551378

Hillard, Robert (2010). Information-Driven Business: How to Manage Data and Information for Maximum Advantage. John Wiley&Sons. 216 p. ISBN: 9780470625775

Webster, Frank (2006). Theories of the Information Society, 3rd Edition. Routledge. 312 p. ISBN: 9780415406338

Additional study material
Kajtazi, M. & Haftor, D.M. (2011). Exploring the Notion of Information: A Proposal for a Multifaced Understanding. Journal of TripleC, Vol. 9 No. 2, pp. 305-315.

Buckland, M. (2011). What kind of science can information science be? Journal of the American Society for Information Science and Technology, Vol. 63, No. 1, pp. 1-7.

Floridi, L. (2005). Is Semantic Information Meaningful Data? Philosophy and Phenomenological Research, Vol. LXX, No. 2, March.

Ackoff, R.L. (1989). From data to wisdom. Journal of Applied Systems Analysis, 16, 3-9.

Reference literature
Beynon-Davies, Paul (2009). Business Information Systems. Palgrave MacMillan. 482

p. ISBN: 9780230203686

Checkland, Peter & Holwell, Sue (1998). Information, Systems and Information Systems – making sense of the field. John Wiley & Sons. 259 p. ISBN: 9780471958208

Boland, R.J. (1987). The In-formation of Information Systems. In: R.J. Boland & R.A. Hirschheim (Eds.) Critical Issues in Information Systems Research, pp. 363-379. Wiley, New York