



Course syllabus

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

1IL207 Informationslogistiska problem och lösningar, 7,5
högskolepoäng

Problem Solving in Information Logistics, 7.5 credits

Main field of study

Information Systems

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

First Level

Progression

GIN

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 central concepts, models and methods within information logistics
- demarcate the subject area of informations logistics within informatics/in relation to information systems science
- analyze and identify information logistical problems and potential solutions from the perspective of life cycle of an information system (all parts up until termination)
- analyze and reflect on information logistical solutions in different organisations and areas
- identify practical information logistical problems in different areas and situations and suggest solutions in order to deal with them
- identify, analyze and discuss the relation between information supply and lack of information, asymmetric information and information overflow.

Content

The course comprises:

- definition and use of central concepts, models and methods in information logistics
- literature review and analysis concerning current problems and solutions within information logistics
- analysis of practical information logistical problems
- overview of current research in information logistics

Type of Instruction

The teaching consists of lectures, seminars and practical work. Participation in seminars and practical work 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

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

Mattsson, Stig-Arne (2012). *Logistik i försörjningkedjor*. Studentlitteratur. 389 p. ISBN: 9789144079653

Additional study material

Haftor, Darek & Kajtazi, Miranda (2009). *What is Information Logistics? An explorative study of the Research Frontiers of Information Logistics*. Research report Linnaeus University, Faculty of Science and Engineering, School of Computer Science, Physics and Mathematics. <http://urn.kb.se/resolve?urn=urn:nbn:se:lnu:diva-7431>

Haftor, Darek. (2011). *Systemic Information Logistics: A Direction for the Development of an Emerging Field of Studies and Practice. (76-102)*. In: *Challenges for the future in an ICT context*. Ed. Asproth, V., Mid Sweden University Press, Östersund.

Kajtazi, Miranda (2011). *An Exploration of Information Inadequacy: Instances that Cause the Lack of Needed Information*. Licentiate thesis Linnaeus University, Faculty of Science and Engineering, School of Computer Science, Physics and Mathematics. <http://urn.kb.se/resolve?urn=urn:nbn:se:lnu:diva-11864>

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