Linnæus University

Jnr: 2021/4329-3.1.2.2

Course syllabus

Faculty of Technology
Department of Informatics

1IL207 Informationslogistiska problem och lösningar, 7,5 högskolepoäng

Problem Solving in Information Logistics, 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 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.

Course Evaluation
During the course or in close connection to the course, a course evaluation is to be carried out. The result and analysis of the course evaluation are to be communicated to the students who have taken the course and to the students who are to participate in the course the next time it is offered. The course evaluation is carried out anonymously. The compiled report will be filed at the Faculty.

Required Reading and Additional Study Material
Required Reading
James M. Higgins 101 Creative Problem Solving Techniques: The Handbook of New Ideas for Business, Latest Edition

Bernard Garrette, Corey Phelps, Olivier Sibony. Cracked it! How to solve big problems and sell solutions like top strategy consultants. Springer. Latest Edition

Nathaniel Greene. Stop Guessing. Berrett-Koehler Publishers. Latest Edition.

Jake Knapp. Sprint. Simon and Schuster. Latest Edition.

Digitalt kurskompendium, Linnéuniversitetet, ej mer än 200 p.

Reference literature
Beynon-Davies, Paul (2009). Business Information Systems. Palgrave MacMillan. 482 p. ISBN: 9780230203686

Adair, J (2016) Decision Making and Problem Solving, 3rd ed, KoganPage, 87 s, ISBN: 978-0-7494-7561-1.

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

Öquist, O (2008) Systemteori i praktiken – konsten att lösa problem och nå resultat, Gothia Fortbildning, 136 s, ISBN: 978-91-7205-575-9.

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