



Course syllabus

Board of Education Science

School of Computer Science, Physics and Mathematics

2IL027 Business Intelligence och Data Warehouse/Data Mining, 7,5 högskolepoäng

Business Intelligence och Data warehouse/Data Mining, 7.5 credits

Main field of study

Information Systems

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

First Level

Progression

G2F

Date of Ratification

Approved by the Board of the School of Computer Science, Physics and Mathematics
2009-09-08

Revised 2010-08-03. Revision of prerequisites and course evaluation.

The course syllabus is valid from spring semester 2011

Prerequisites

Informatics/Information Logistics 60 credits or equivalent.

Expected learning outcomes

Having passed the course the student should be able to:

- understand basic concepts of business intelligence from a technical, organisational and businesslike perspective
- understand the role of business intelligence, data warehouse and data mining to gain competitive advantages
- explain basic concepts of data mining
- plan and perform a business analysis by identifying information needs and applying appropriate techniques of data collection and data analysis
- critically value the role of business intelligence, data warehouse and data mining for business development.

Content

The course comprises:

- basic concepts of business intelligence
- data warehousing

- data mining
- identification, retrieval, storing and interpretation of relevant information
- handling of unformatted information and information in different formats
- semantics and ontologies.

Type of Instruction

The teaching consists of lectures, seminars, exercises and individual or group-based practicals. Participation/ attendance in seminars and practicals is compulsory.

Examination

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

Assessment of the student's performance is made through written and/or oral examination and/or presentation of compulsory assignments. The type of assessment used in the course will be decided on at the beginning of the course.

Students who do not pass the regular examination are given the opportunity to a new examination shortly after the regular examination.

On request, a Swedish University course certificate will be awarded upon successful completion of the course.

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.

Other

Upon request, a Swedish University degree will be issued upon successful completion of the full demands for that degree.

Required Reading and Additional Study Material

Required reading

Turban, Efraim, Sharda, Ramesh, Aronson, Jay E. & King, David (2008), *Business Intelligence: a managerial approach*. Upper Saddle River: Prentice Hall. 233 p. ISBN: 978-0-13-234761-7.

Articles 100 p.