



Course syllabus

Faculty Board of Science and Engineering

School of Computer Science, Physics and Mathematics

4IK035 Business Intelligence och beslutsstöd, 7,5 högskolepoäng

4IK035 Business Intelligence and Decision Support, 7.5 credits

Main field of study

Informatics

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

Second Level

Progression

A1N

Date of Ratification

Approved 2011-11-25

Revised 2012-12-10 by School of Computer Science, Physics and Mathematics.

Objectives and content are revised.

The course syllabus is valid from autumn semester 2013

Prerequisites

75 credits in informatics or equivalent, whereof 7.5 credits at G2F-level or equivalent.

Objectives

After the course, the student:

- should understand the business decision making process
- should understand the business intelligence and its characteristics
- should be able to understand the role of data warehousing and data mining in Decision Support Systems
- should understand the use of ICTS and how they can support the decision making process.

Content

- Business decision making process
- Designing and Planning Business Intelligence Processes
- Customer-Centric Business Intelligence
- Data Warehouse, data mining design and OLAP

- Strategic values of Decision support and Business Intelligence systems

Type of Instruction

The teaching consists of lectures, seminars, cases and field projects.

Examination

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

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.

The examination includes written exam, written individual PM's on the course literature, a group report on theoretically based field research, oral presentations and active participation in seminars, as well as presentation and defense of the field work.

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

E. Turban, R. Sharda, D. Delen, D. King & J. E. Aronson, *Business intelligence: a managerial approach*, Prentice Hall, latest edition.

Scientific journal papers

Compendium