Linnæus University

Course syllabus

Faculty of Technology

Department of Informatics

4IK535 Business Intelligence och beslutsstöd, 7,5 högskolepoäng
4IK535 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 by Faculty of Technology 2014-10-03
The course syllabus is valid from autumn semester 2015

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 A, B, C, D, E, Fx or F.

The grade A constitutes the highest grade on the scale and the remaining grades follow in descending order where the grade E is the lowest grade on the scale that will result in a pass. The grade F means that the student's performance is assessed as fail (i.e. received the grade F).

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.

Credit Overlap
The course cannot be included in a degree along with the following course/courses of which the content fully, or partly, corresponds to the content of this course: 4IK035 Business Intelligence and Decision Support, 7.5 credits

Other
Grade criteria for the A–F scale are communicated to the student through a special document. The student is to be informed about the grade criteria for the course by the start of the course at the latest.

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