UNIVERSITY OF BORÅS

Business Intelligence 1
Business Intelligence 1
7.5 credits

Ladok Code: 22BI1D
Version: 2.0
Established by: The Teaching Committee 2011-09-13
Valid from: Autumn 2011

Education Cycle: Second cycle
Main Field of Study (Progressive Specialisation): Informatics (A1N)
Disciplinary Domain: Natural sciences
Prerequisites: These prerequisites do not apply to students within the programme Science without Borders.
Passed courses of 60 Credits in Informatics.
Subject Area: Informatics/Computer and Systems Sciences
Grading Scale: Fail (U), Pass (G) or Pass with Distinction (VG)

Content

The course is built upon two parts. The first part is a general introduction to decision analysis. The first part gives an overview of the area of Business Intelligence with focus on decision analysis and decision processes.

The second part is an introduction to data wearehousing. This part of the course describes how data warehouses can be a central element in an organizations Business Intelligence solution and as such be a tool for report generation and further analysis.

Learning Outcomes

The course is intended to give a broad introduction to the field of Business Intelligence. Apart from the theoretical foundation of the field of decision analysis, the course also introduces the foundation of data warehouses.

After having finnished the course, the student is expected to:
- be able to give a detailed account of and discuss fundamental concepts and theories within Business Intelligence,
- know about how decision analysis and decision processes are carried out in businesses,
- create and critically examine desicion support reports,
- be able to give a detailed account of and discuss fundamental concepts, theories and methods within data warhousing and
- understand and know about the relationship of data warehouses to production and operational systems.

Forms of Teaching

Teaching is done through lectures and seminars. The course is given in English. The course literature is in English.

Forms of Examination

The course is examined through assignments and an exam. For the grade Passed (G) on the whole course both the assignments and the exam must have been passed. For the grade Passed with distinction (VG) on the whole course the exam must have been passed with distinction and the assignments must have been passed.

Student rights and obligations at examination are according to guidelines and rules for the University of Borås.

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Literature and Other Teaching Materials

Ponniah, Paulraj (2010). *Data Warehousing Fundamentals for IT Professionals*. (senaste upplagan) Chicester: Wiley-Blackwell. ISBN 9780470462072.

Solberg Soilen, Klaus (senaste upplaga), *Introduction to Private and Public Intelligence*, Studentlitteratur, Lund. ISBN 9789144049793

Research articles and other similar literature may be used and will be communicated during the course.

Student Influence and Evaluation

The compilation is made public in accordance with the Schools regulations and will be the foundation for future course planning and is part of the program evaluation that is carried out.

Miscellaneous

The course is part of the Masterprogramme in Informatics.