UNIVERSITY OF BORÅS

Business Intelligence 1
Business Intelligence 1
7.5 credits

Ladok Code: 22BI3D
Version: 2.0
Established by: The Teaching Committee 2013-12-11
Valid from: Spring 2014

Education Cycle: Second cycle
Main Field of Study (Progressive Specialisation): Informatics (A1N)
Disciplinary Domain: Natural sciences
Prerequisites: Passed courses of 60 Credita in Informatics.
Subject Area: Informatics/Computer and Systems Sciences
Grading Scale: ECTS-credits

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:

1. be able to give a detailed account of and discuss fundamental concepts and theories within Business Intelligence,

2. know about how decision analysis and decision processes are carried out in businesses,

3. create and critically examine desicion support reports,

4. be able to give a detailed account of and discuss fundamental concepts, theories and methods within data warhousing and

5. 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 examination is performed through assignments (learning outcomes 1 and 3) and an exam (learning outcomes 1, 2, 4, and 5). The student must pass all assignments and the exam to get the grade Passed (E) on the course. Higher grades on the course are assigned based on the grade on the exam, which follows the ECTS scale (A-F).

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 (latest edition), *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 course is evaluated in accordance with the school's guidelines, in which students' views will be obtained. The results of the evaluation will be published and fed back to participating and prospective students in accordance with the school's guidelines, and will provide the basis for future course and program development.

Miscellaneous

The course is part of the Masterprogrammes in Informatics.