UNIVERSITY OF BORÅS

Business Process Modeling
Affärsprocessmodellering
7.5 credits

Ladok Code: 22BM1D
Version: 2.0
Established by: The Teaching Committee 2013-10-09
Valid from: Autumn 2013

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

Content
The course contains:
- The concept and relevance of a business process
- The role of modelling in general and with respect to business processes
- The dimensions of model quality and their measurement
- The process of modelling and modelling methods
- The social dimensions of the modelling process: roles, group behaviour, consensus building …
- Current research issues in business process modelling
- Treatment of a specific research issue

Learning Outcomes
After successful completion of the course the student shall be able to:
Knowledge and understanding
1. Understand the principles of a business process modelling language
2. Understand the dimensions of quality in a process model
3. Understand the process of process modelling (“method”)
4. Understand the social aspects of process modelling

Skills and abilities
5. Use the modelling language to express and abstract from a realistic business process
6. Apply a method for modelling business processes in all its stages

Judgment and approach
7. Evaluate the model and the modelling process as a social process
8. Investigate a simple research question related to business process modeling

Forms of Teaching
Teaching is in English in the form of lectures, tutorials and a seminar. The lectures are primarily related to the knowledge outcomes, the tutorials to knowledge and skills and abilities and the seminar to all three. Literature is in English.

Forms of Examination
Examination of the course occurs through :

- Project work 2,5 hp UG (learning outcomes 1-7)

- Seminar paper 5 hp EC (learning outcomes 5-8)

  To pass the course requires a G (passed) on the project work and at least grade E (passed) on the scientific paper treated at the seminar. Thereafter the grade for the whole course is determined on the ECTS scale based on the grade for the above-mentioned paper.

  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

Silver, Bruce: *BPMN Method and Style*, 2nd Edition, with BPMN Implementer's Guide: *A structured approach for business process modelling and implementation using BPMN 2.0.* Cody-Cassidy Press, 2011

Weske, Mathias: *Business Process Management: Concepts, Languages, Architectures.* Springer, 2007

Student Influence and Evaluation

Miscellaneous

The course is part of the Master programmes (one-year and two-year) in informatics