UNIVERSITY OF BORÅS

Business Process Modeling
Affärsprocessmodellering
7.5 credits

Ladok Code: 22BM1D
Version: 7.0
Established by: Committee for Education in Librarianship, Information, and IT 2016-05-31
Valid from: Autumn 2016

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 starts with the concept of a business process and its relevance. Then the role of modeling is taken up in general and with respect to business processes. In addition, different dimensions of model quality are treated and ways of measuring them. After that the course takes up the modeling process and modeling methods. In connection with that social dimensions of modeling are also treated such as group work, the roles of participants and consensus building. This is complemented by current research problems in the field. In a project work the participants are supposed to develop a practical assignment. In addition, they shall solve a scientific problem and document it in a seminar paper.

Learning Outcomes
After completion of the course the student should be able to, with respect to,

Knowledge and understanding
1.1. report the principles behind business process modeling and related languages,
1.2. report the dimensions of process model quality,
1.3. report the process of process modeling (method),
1.4. report the social aspects of business process modeling,

Competence and skills
2.1. apply the modeling language to express and abstract from a real-world business process,
2.2. apply a method for business process modeling in all stages,

Judgement and approach
3.1. evaluate the model and the modeling process as a social phenomenon and
3.2. investigate a simple research question related to business process modeling.

Forms of Teaching
Teaching is in the form of lectures, tutoring and a seminar.

The language of instruction is English.

Forms of Examination
The course is examined in two examinations:

- Project work: written assignment in group
Learning outcomes: 1.1-1.4, 2.1-2.2, 3.1
Credits: 2,5

Grading scale: Failed or Passed

- Written assignment
Learning outcomes: 2.1-2.2, 3.1-3.2
Credits: 4,5
Grading scale: AF

- Seminar: oral presentation of Written assignment
Learning outcomes: 2.1-2.2, 3.1-3.2
Credits: 0,5
Grading scale: Failed or Passed

For grade E for the whole course, the grade E holds for Written assignment and Passed for Project work: written assignment in group and Seminar: oral presentation of Written assignment . The grade for the whole course is then based on the grading of the Written assignment.

Student rights and obligations at examination are in accordance with guidelines and rules for
the University of Borås.

Literature and Other Teaching Materials

The course literature is in English.

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

Weske, Mathias: Business Process Management: Concepts, Languages, Architectures. Springer, 2012 or latest edition

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 Master programmes (one-year and two-year) in informatics

This syllabus is a translation from the Swedish original.