This course syllabus is discontinued or replaced by a new course syllabus.

ÖREBRO UNIVERSITY

Course Syllabus

Örebro University School of Business

Informatics, Business Modeling and Business Architecture, Second Cycle, 7.5 Credits

Course Code:	IK4022	**Subject Area:**	Field of Technology
Main Field of Study:	Informatics	**Credits:**	7.5
		Subject Group (SCB):	Informatics/Computer and Systems Sciences
Education Cycle:	Second Cycle	**Progression:**	A1N
Established:	2012-11-28	**Last Approved:**	2015-03-26
Valid from:	Autumn semester 2015	**Approved by:**	Head of School

Aims and Objectives

General aims for second cycle education

Second-cycle courses and study programmes shall involve the acquisition of specialist knowledge, competence and skills in relation to first-cycle courses and study programmes, and in addition to the requirements for first-cycle courses and study programmes shall
- further develop the ability of students to integrate and make autonomous use of their knowledge
- develop the students' ability to deal with complex phenomena, issues and situations, and
- develop the students' potential for professional activities that demand considerable autonomy, or for research and development work.

(Higher Education Act, Chapter 1, Section 9)

Course Objectives

The student should after the course
-Be able to define and use key concepts within the areas of business modeling and business architecture
-Be able to analyze and describe business processes
-Understand the role and responsibilities of the business architect
-Understand the role of business modeling in relation to business development
-Understand the relationship between business architecture, software architecture and enterprise architecture
-Understand the relationship between information flows and business processes.

-Have the ability to use theory, methods and techniques for modeling
-Have the ability to follow a structured method to analyze and describe business processes
-Have the ability to choose appropriate modeling techniques relevant for a specific business modeling situation
-Have the ability to understand the organization and its requirements and to translate them into general requirements for IT-solutions.

-To be able to analyze and evaluate business processes
-To be able to analyze and evaluate different designs of business architecture.

Main Content of the Course

The course consist of the following parts

1: Introduction to the concepts of business architecture and business modeling
2: Methods and techniques for modeling and business modeling
3: Process oriented approaches for business modeling and business development
4: Business architecture in relation to software architecture and enterprise architecture.

Teaching Methods

Teaching is in the form of lectures, seminars, and practical work. Participation in practical work and seminars is mandatory.

Students who have been admitted to and registered on a course have the right to receive tuition and/or supervision for the duration of the time period specified for the particular course to which they were accepted (see, the university's admission regulations (in Swedish)). After that, the right to receive tuition and/or supervision expires.

Examination Methods

Theories about Business Modeling & Business Architecture 1, 4.5 Credits. (Code: 0100)
Is examined through an individual written report.

Theories about Business Modeling & Business Architecture 2, 1 Credits. (Code: 0210)
Is examined individually through active participation in a seminar.

Applied Business Modeling 1, 1 Credits. (Code: 0220)
Is examined in group through active participation in a modeling seminar.

Applied Business Modeling 2, 1 Credits. (Code: 0230)
Is examined in group through active participation in a modeling seminar.

For further information, see the university's local examination regulations (in Swedish).

Grades

According to the Higher Education Ordinance, Chapter 6, Section 18, a grade is to be awarded on the completion of a course, unless otherwise prescribed by the university. The university may prescribe which grading system shall apply. The grade is to be determined by a teacher specifically appointed by the university (an examiner).

According to regulations on grading systems for first- and second-cycle education (vice-chancellor's decision 2010-10-19, reg. no. CF 12-540/2010), one of the following grades is to be used: fail, pass, or pass with distinction. The vice-chancellor or a person appointed by the vice-chancellor may decide on exceptions from this provision for a specific course, if there are special reasons.

Grades used on course are Fail (U), Pass (G) or Pass with Distinction (VG).

Theories about Business Modeling & Business Architecture 1
Grades used are Fail (U), Pass (G) or Pass with Distinction (VG).

Theories about Business Modeling & Business Architecture 2
Grades used are Fail (U) or Pass (G).

Applied Business Modeling 1
Grades used are Fail (U) or Pass (G).

Applied Business Modeling 2
Grades used are Fail (U) or Pass (G).

Final Grade
The final grade will be translated into the ECTS grading scale.
In order to receive Pass on the whole course, the student must receive Pass on the written report and on all the seminars.
In order to receive Pass with Distinction on the whole course, the student must receive Pass with Distinction on the written report and Pass on all the seminars.

For further information, see the university's local examination regulations (in Swedish).

Specific entry requirements

Informatics, Basic Course, 30 Credits; 30 Credits at the intermediate (B) course level within Informatics; and successful completion of at least 15 Credits at the advanced (C) course level within Informatics, alternatively Computer Engineering, 30 Credits, Basic Course; Computer Engineering, 30 Credits, Intermediate Course; and successful completion of at least 15 Credits at the advanced (C) course level within computer engineering. In addition, successful completion of the course "English B/English 6" from the Swedish Upper Secondary School or equivalent is required.

For further information, see the university's admission regulations (in Swedish).

Transfer of Credits for Previous Studies

Students who have previously completed higher education or other activities are, in accordance with the Higher Education Ordinance, entitled to have these credited towards the current programme, providing that the previous studies or activities meet certain criteria.

For further information, see the university's local credit transfer regulations (in Swedish).

Other Provisions

Remaining tasks should be completed as soon as possible according to the teacher's instructions.

Reading List and Other Teaching Materials

Required Reading

Eriksson, Hans-Erik & Magnus Penker (2000)
Business Modeling with UML Business Patterns and Business Objects
John Wiley & Sons Inc, 416 pages

Additions and Comments on the Reading List

Additional course material 200 pp will be made available thought Blackboard.