



Course syllabus

Faculty of Technology
Department of Informatics

1IK031 Verksamhetsanalys, 7,5 högskolepoäng
Business Analysis, 7.5 credits

Main field of study
Information Systems

Subject Group
Informatics/Computer and Systems Sciences

Level of classification
First Level

Progression
GIN

Date of Ratification
Approved 2012-12-10
Revised 2016-06-15 by Faculty of Technology.
The course syllabus is valid from autumn semester 2016

Prerequisites
General entry requirements.

Objectives

After participation in the course the student will be able to:
Knowledge and Understanding

- Give an account of business related concepts
- Give an account of the relation between IT and organization from a holistic perspective
- Give an account of similarities and differences between different approaches for information systems development

Skills and abilities

- *Practically apply different techniques to study and analyse businesses*
- *Autonomously plan and execute business analysis and requirements elicitation*

Evaluation ability and approach

- *Advocate the necessity for business analysis in successful information systems development*
- *Reflect on the professional role of the business analyst*

Content

The course will give an overview of the area of business analysis from an Informatics perspective, which also includes some Economic aspects.

The course includes topics of:

- Business related concepts, theories and perspectives
- Methodologies for business analysis and information systems development
- Techniques for the study and analysis of businesses
- Basics of business modeling
- Requirements elicitation and specification
- Introduction to business development
- Written and verbal presentation of results to requestors and other stakeholders

Type of Instruction

Teaching methods consist of lectures, seminars, exercises and supervision.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

Upon request the student can receive the grade according to ECTS-scale. This type of request must have reached the examiner before the grading commences.

Assessments of student performance consist of written exams and/or oral presentations and/or performing mandatory assignments. The types of assessment used in the course will be decided on at the beginning of the course.

Students who do not pass the regular examination are given the opportunity to do a second examination shortly after the regular examination.

Course Evaluation

A course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The result of the course evaluation will be filed at the department.

Required Reading and Additional Study Material

Required reading

Paul, D, Cadle, J & Yeates, D (2014) *Business Analysis*, 4th ed, BSC The Chartered Institute for IT, 308 pages.

Cadle, J, Paul, D & Turner, P (2014) *Business Analysis Techniques: 99 Essential Tools for Success*, 2nd ed, BSC The Chartered Institute for IT, 356 pages (about 100 pages used).

Avison, D & Fitzgerald, G (2006) *Information Systems Development: Methodologies, techniques and tools*, 4th ed, McGraw-Hill, 656 pages (about 300 pages used).

Ljungberg, A & Larsson, E (2012) *Processbaserad verksamhetsutveckling – Varför – Vad – Hur?*, 2a uppl, Studentlitteratur, Lund, 540 pages (about 200 pages used).

Digital material, Linnéuniversitetet, not more than 100 pages.

Supplementary reading

Carlson, M (2014) *Att arbeta med företagsanalys : analysmetoder för att upptäcka varningssignaler och styra mot uppställda mål*, 7:e uppl, Liber.

Checkland, P (1999) *Systems Thinking, Systems Practice*, Wiley.

Cronholm, S & Goldkuhl, G (2010) *Handlingsbara IT-system – design och utvärdering*, Linköpings universitet,
<http://www.vits.org/publikationer/dokument/545.pdf>.

International Institute of Business Analysis (2015) *A Guide to the Business Analysis Body of Knowledge (BABOK Guide)*, International Institute of Business Analysis.

Jacobsen, D, I & Thorsvik, J (2104) *Hur moderna organisationer fungerar*, 4e uppl, Studentlitteratur.

Goldkuhl, G & Röstlinger, A (1988) *Förändringsanalys – Arbetsmetodik och förhållningssätt för goda förändringsbeslut* , Studentlitteratur.

Goldkuhl, G & Röstlinger, A (2005) *Praktikbegreppet en praktikgenerisk modell som grund för teoriutveckling och verksamhetsutveckling*, Linköpings universitet, <http://www.vits.org/publikationer/dokument/458.pdf>.

Hansson, S, Arvidsson, P & Lindqvist, H (2006) *Företags och räkenskapsanalys*, Studentlitteratur.

Hedman, J & Kalling, T (2002) *IT and Business Models – Concepts and Theories*, Liber.