DALARNA UNIVERSITY

Course Syllabus

Business and Systems Development 7.5 Credits*, First Cycle

Learning Outcomes

Knowledge and understanding

After completing the course, students will be able to:

- describe methods, models, roles and phases for business development
- describe working methods, technology and notation, in business development
- describe the system development process
- describe and explain concept modeling

Skills and Abilities

After completing the course, students will be able to:

- apply process-based business development
- create process descriptions and requirements specifications
- develop a data model to support the described processes
- automate the appropriate process for the purpose

Valuation and approach

After completing the course, students will be able to:

- discuss and reflect on change work and effects on a given activity.

Course Content

The course deals with methods, models, processes, process descriptions and working methods in processbased business development. Furthermore, concept modelling, requirements specification, development of a database model and the way in which certain processes can be automated using Robotic Process Automation (RPA) are treated. Effects in the process of change for a business are discussed.

Assessment

- Assignment Process Modeling (2 credits)
- Assignment Robot Process Automation (2 credits)
- Assignment Business Modeling (3.5 credits)

Forms of Study

See course handbook.

Grades

The Swedish grades U–G.

* 1 Credit = 1 ECTS

Prerequisites
Database Systems 7.5 credits

Other Information
Teaching can take place in English. Examinations can take place in Swedish or English.

The course can be delivered online (distance, over the Internet); therefore, students require access to a webcam and headset.

Overlaps GIK2JW, IK1065.

Subject:
Information Systems

Group of Subjects:
Informatics/Computer and Systems Sciences

Disciplinary Domain:
Technology, 100%

This course can be included in the following main field(s) of study:
1. Computer Engineering
2. Information Systems
3. Microdata Analysis

Progression Indicator within (each) main field of study:
1. G1F
2. G1F
3. G1F

Approved:
Approved 27 September 2022
Valid from 27 September 2022