Organisational development through IT 7.5 credits I0001N

Verksamhetsutveckling med hjälp av IT

Course syllabus admitted: Spring 2024 Sp 3 - Autumn 2024 Sp 2

DECISION DATE
2023-02-15

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Verksamhetsutveckling med hjälp av IT

First cycle, I0001N

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G VG *	Informatik	Informatics/Computer and Systems Sciences

Main field of study

Social Informatics

Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language

Selection

The selection is based on final school grades or Swedish Scholastic Aptitude Test.

Course Aim

After passing the course, the student should be able to:

Knowledge and understanding
• Describe and explain how digital technology has made possible new forms of organization and new ways of doing business

Skills and Abilities
• Apply methods and theories for analysis of how digital technology supports and enables new organizational forms and working methods
• Design and develop opportunities for digital technology for an organization
• Present the new solution to other students

evaluation ability and approach
• Critically review and evaluate the use of digital technology in an organization with the support of relevant theories and methods

Contents

The course deals with theories, models and methods linked to business development and the role of information systems and technologies. These theories, models and methods are applied in smaller tasks through training in problematization and impact analysis of different organizations and their introduction of different information systems and technologies. These tasks then form the basis for an independent task where the student analyzes an existing business and provides suggestions on how information systems can support different business processes. The work takes place independently with the aim of designing and constructing a solution that will enable new ways of working for a business.
The parts included in the course are:
• Examples of organizations with high digital maturity
• Different technologies that support organizations and their business development
• Critical role of information systems for new forms of organization, activities and business

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Realization

Each course occasion´s language and form is stated and appear on the course page on Luleå University of Technology's website.

During the course, the student participates in various teaching elements, own work, and discussions with teachers and other students. Teaching takes place in the form of lessons and seminars. The student works independently and actively with different tasks to build an understanding of and experience of business development with the help of different information technologies and systems, which in turn enables evaluation and critical review of the use of information systems for business development. In one's own work, the ability to search, collect, evaluate and critically interpret relevant information based on a business problem is trained. In dialogue with different groups, the ability to discuss information, problems and solutions is trained. During the course, the student works varying individually or in groups and the assignments are presented in both oral and written presentations. Between meetings, students communicate with teachers and classmates via email, an online learning platform and a web conferencing system. The learning platform is used to make information, course materials and assignments available as well as to handle assignments.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided.

In this course, the students are examined both orally and in writing through smaller individual assignment and a larger individual assignment. In the individual assignments, the students' ability to problematize, analyze and give suggestions for solutions is examined. Students will show presentations of how digital tools have enabled new forms of organization and new ways of doing business with a clear connection to theory. Students are also examined on how to approach analyzes by showing that they can discuss, compare methods for analysis of how different digital tools support and enable new organizational forms and critically examine and evaluate the use of information technology in organizations with the support of relevant theories and methods. Finally, students should be able, based on an analysis of an organization, to suggest solutions that support and develop the business in a certain direction with the help of digital tools and systems. This new solution must also be presented orally and in writing. All included examination parts must be completed for the final grade on the course.

Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term "unauthorized aids" refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

Remarks

Other courses that focus on design of IT: I0005N Design of IT from a Systems Perspective.

Overlap

The course I0001N is equal to IED423

Course offered by

Department of Computer Science, Electrical and Space Engineering

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Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0004	Individual tasks	U G VG *	4	Mandatory	S23	
0005	Individual assignment	U G VG *	3.5	Mandatory	S23	

Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

Last revised

by Robert Brännström 2023-02-15

Syllabus established

by Department of Business Administration and Social Sciences 2007-01-31