SYLLABUS

Introduction to informatics and service design 7.5 credits I0016N

Introduktion till informatik och digital tjänstedesign

Course syllabus admitted: Autumn 2024 Sp 1 - Present

DECISION DATE
2024-02-15

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LULEÅ TEKNISKA UNIVERSITET

Introduction to informatics and service design 7.5 credits I0016N

Introduktion till informatik och digital tjänstedesign

First cycle, I0016N

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

Knowledge and understanding
After passing the course, the student should be able to:

- Explain what the subject of informatics and its core concept stands for
- Describe and explain how the service and product concepts are related to each other
- Describe and explain what distinguishes digital services
- Explain the historical development of the service society
- Explain what academic studies entail

Skills and Abilities
After passing the course, the student should be able to:

- Analyze digital services as a phenomenon and its role in today's society
- Apply information skills

Evaluation ability and approach
After passing the course, the student should be able to:

- Discuss the role of digital technology in informatics and service design

Contents

This course is an introductory course to the subject of informatics and its relation to service design. The course also covers academic studies and report writing. Within the framework of the course, the student learns the historical development of the subject and its spread to different application areas as well as to discuss the core concepts within the subject. In relation to this, the subject is linked to service design and the ongoing digitalisation of society. The course also includes elements where the student learns to analyze services based on an everyday situation. Within the framework of the course, the historical development of the service society from before industrialism to today's digital society is also discussed, as well as the role that digital technology and service design play in this development.

Realization

Each course occasion´s language and form is stated and appear on the course page on Luleå University of Technology's website.
The student participates in various teaching elements such as workshops, discussion seminars, literature seminars, self-reflections and lectures. The student works independently and is trained in discussing informatics and service design from several perspectives. During the course, the student presents his work in shorter reports and presentations. Part of the course consists of self-reflection where the student analyzes their own everyday life and discusses and critically reflects on the role of services in this. The student will also independently identify relevant issues in relation to the area, which then forms the basis for discussion. 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, students are examined through individual oral and written assignments and active participation in a compulsory discussion seminar. In the individual assignments, the students' ability to identify and formulate problems is examined. The student is also examined in critically discussing and reflecting on different situations related to service design and informatics. In the discussion seminars, the student's ability to analyze digital services and their role in today's society as well as discussions about the role of digital technology in informatics and service design will be examined. The course has only individual examination assignments (7.5 credits). Grading takes place according to the grading scale U G VG. 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.

Course offered by

Department of Computer Science, Electrical and Space Engineering

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0002	Individual tasks	U G VG *	4	Mandatory	A22	
0003	Individual assignment	U G VG *	3.5	Mandatory	A22	

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 2024-02-15

Syllabus established

by Director of Undergraduate Studies Bo Jonsson, Department of Business Administration, Technology and Social Sciences 2013-02-18