

SYLLABUS

Database Systems I 7.5 credits D0004N

Databaser I

Course syllabus admitted: Autumn 2023 Sp 1 - Present

**DECISION DATE
2021-06-16**

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Databaser I

First cycle, D0004N

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

Main field of study

Social Informatics, Information Systems Sciences

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 the course the student will be able to

- create relational databases using data modelling
- present and argue upon the model
- implement databases,
- access the database using basic SQL

Contents

- Data base theory
- Data modelling
- Relational databases
- Basic SQL, how implement and to access the database

Realization

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

The work of the student is problem based and surveying. Teaching takes the form of lessons, seminars, project works and individual tasks. A learning management system is used for delivering course material, information and submissions. Knowledge is shared and created within the course through virtual meetings with teachers and other students for discussions, supervision, teamwork and seminars. For student on campus there will be meetings on campus.

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.

Written project report 3.0 hp

The examination takes place through presentation of a data model and implementation in a database manager. One part includes written opposition to another group's work.

Written examination 4.5 hp.

All students, both on distance and campus, write the individual exam online, webcam and microphone are required.

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

Technical Requirements: Access to a PC with Windows XP, microphone, Web cam and permission to install software. Internet connection (minimum 0,5Mbps).

Overlap

The course D0004N is equal to IED403

This course cannot be combined with IED006, IED007, IED008, IED009, IED300, IED403 or D0001N in any degree.

Course offered by

Department of Computer Science, Electrical and Space Engineering

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0003	Compulsory assignments	U G#	3	Mandatory	A18	
0004	Examination	U G VG *	4.5	Mandatory	A18	

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 Jonny Johansson, HUL SRT 2021-06-16

Syllabus established

by Bo Jonsson 2007-02-28