



**LUND**  
UNIVERSITY

School of Economics and Management

## **DABN20, Data Analytics and Business Economics: Working with Databases, 3.5 credits**

*Dataanalys och ekonomi: Att arbeta med databaser, 3,5  
högskolepoäng*  
Second Cycle / Avancerad nivå

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### **Details of approval**

The syllabus is an old version, approved by The Board of the Department of Economics on 2020-09-15 and was valid from 2020-09-15, autumn semester 2021.

### **General Information**

This is a single subject master course in data analytics and business economics. The course is mandatory in the master programme Data Analytics and Business Economics.

(Teaching may be in Swedish if all registered students have a good knowledge of Swedish.)

*Main field of studies*

Data Analytics and Business Economics

*Depth of study relative to the degree requirements*

A1N, Second cycle, has only first-cycle course/s as entry requirements

### **Learning outcomes**

#### **Knowledge and understanding**

Students shall have an understanding of:

- the basic principles of databases,
- relevant techniques for how to communicate and work with databases.

#### **Competence and skills**

Students shall have the ability to independently:

- apply techniques for storing and retrieving data from distributed databases,
- apply an interface for analysing database data in R.

## Judgement and approach

Students shall have developed the ability to pursue further studies in the subject and should be able to search for and evaluate information with a high degree of independence.

## Course content

This course covers data, data management and databases from a practical perspective. The student will gain a basic understanding of what databases are and what they are used for, as well as a vocabulary to use when communicating with database administrators and IT technicians. The course also treats how to extract data from a database using techniques such as SQL (Structured Query Language) and how to analyse such data in R. Data are important in today's industry and society, and this course aims to make the student ready and able to use them to his or her advantage.

## Course design

1. Teaching: Tuition consists of lectures and exercises.

## Assessment

1. Examination: The examination consists of online quizzes and home assignments. Other forms of examination may be used to a limited extent.

2. Limitations on the number of examination opportunities: –

The University views plagiarism and other academic dishonesty very seriously, and will take disciplinary action against students for any kind of attempted malpractice in connection with examinations and assessments. Plagiarism is considered to be a very serious academic offence. The penalty that may be imposed for this, and other unfair practices in examinations or assessments, includes suspension from the University for a specified period.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

*Subcourses that are part of this course can be found in an appendix at the end of this document.*

## Grades

Marking scale: Fail, Pass.

2. Weighting grades from different parts of the course: –

3. Grading scales for different parts of the course: –

## Entry requirements

Students admitted to the master programme Data Analytics and Business Economics

are eligible for this course.

### **Further information**

1. Transitional regulations: –
2. Limitations in the period of validity: –
3. Limitations: –
4. Similar courses: –
5. Limitations in renewed examination: –

## Subcourses in DABN20, Data Analytics and Business Economics: Working with Databases

Applies from H21

2101 Working with Databases, 3,5 hp  
Grading scale: Fail, Pass