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

Details of approval

The syllabus was approved by The Board of the Department of Economics on 2020-09-15 and was last revised on 2023-10-17. The revised syllabus comes into effect 2023-10-17 and is valid from the autumn semester 2024.

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.

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

Main field of study	*Specialisation*
Data Analytics and Business Economics	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.

Judgement and approach

Students shall have 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. 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.

Grades

Grading scale includes the grades: Fail, Pass
1. Grade, Characteristic
Pass. A result that satisfies the requirements with regard to theoretical depth, practical relevance, analytical ability and independence.
Fail. An inadequate result with regard to theoretical depth, practical relevance, analytical ability and independence.

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: –