

Introduction to Mathematics, Linear Algebra and Logic for Statisticians

Grundläggande matematik, linjär algebra och logik för statistiker
10 credits

Programme course

764G09

Valid from: 2025 Autumn semester

Determined by	Main field of study	
Course and Programme Syllabus Board at the Faculty of Arts and Sciences	Mathematics	
Date determined	Course level	Progressive specialisation
2024-12-09	First cycle	G1N
Revised by	Disciplinary domain	
	Natural sciences	
Revision date	Subject group	
	Mathematics	
Offered first time	Offered for the last time	
Autumn semester 2025		
Department	Replaced by	
Institutionen för datavetenskap		

Course offered for

- Bachelor's Programme in Statistics and Data Analysis

Entry requirements

General entry requirements for undergraduate studies
and

Social Studies, English and Mathematics corresponding to the level in Swedish
upper secondary education (Samhällskunskap 1b or 1a1 and 1a2, Engelska 6,
Matematik 3b or 3c)

Examination

If special circumstances prevail, and if it is possible with consideration of the
nature of the compulsory component, the examiner may decide to replace the
compulsory component with another equivalent component.

If the LiU coordinator for students with disabilities has granted a student the right
to an adapted examination for a written examination in an examination hall, the
student has the right to it.

If the coordinator has recommended for the student an adapted examination or
alternative form of examination, the examiner may grant this if the examiner
assesses that it is possible, based on consideration of the course objectives.

An examiner may also decide that an adapted examination or alternative form of
examination if the examiner assessed that special circumstances prevail, and the
examiner assesses that it is possible while maintaining the objectives of the
course.

Students failing an exam covering either the entire course or part of the course
twice are entitled to have a new examiner appointed for the reexamination.

Students who have passed an examination may not retake it in order to improve
their grades.

Grades

Three-grade scale, U, G, VG

Other information

Planning and implementation of a course must take its starting point in the wording of the syllabus. The course evaluation included in each course must therefore take up the question how well the course agrees with the syllabus.

The course is conducted in such a way that there are equal opportunities with regard to sex, transgender identity or expression, ethnicity, religion or other belief, disability, sexual orientation and age.

If special circumstances prevail, the vice-chancellor may in a special decision specify the preconditions for temporary deviations from this course syllabus, and delegate the right to take such decisions.

About teaching and examination language

The teaching language is presented in the Overview tab for each course. The examination language relates to the teaching language as follows:

- If teaching language is “Swedish”, the course as a whole could be given in Swedish, or partly, or as a whole, in English. Examination language is Swedish, but parts of the examination can be in English.
- If teaching language is “English”, the course as a whole is taught in English. Examination language is English.
- If teaching language is “Swedish/English”, the course as a whole will be taught in English if students without prior knowledge of the Swedish language participate. Examination language is Swedish or English depending on teaching language.