UNIVERSITY OF SKÖVDE

TRANSLATION FROM SWEDISH

COURSE SYLLABUS

Microbiology G1N

7.5 credits

Course code: BV113G
Version number: 8
Valid from: 1 January 2026
Ratified by: Curriculum Committee for Bioscience
Date of ratification: 22 May 2025

1. General information about the course

The course is provided by the University of Skövde and is named Microbiology G1N (Mikrobiologi G1N). It comprises 7.5 credits and is a first-cycle course. The level of progression is G1N.

The course is a part of the main field of study in Bioscience. It can also be a part of the main field of study in Biomedicine. The disciplinary domain of the course is Natural Sciences.

2. Entry requirements

General entry requirements.
Additional requirements: Mathematics 2a or 2b or 2c, Science studies 2, English 6
Or:
Mathematics level 2a or level 2b or level 2c, Science studies level 2, English level 2.

The level of English proficiency is normally shown by an internationally recognized test, e.g. IELTS or TOEFL.

3. Course content

The course will provide basic knowledge in microbiology and reviews different microorganisms and their structure and function. Moreover metabolism, microbial applications, microbial growth and growth-control are included. Microbial evolution, -systematics, -genomics as well as methods for microbial analyses are also part of the course.

4. Objectives

After completed course the student should be able to:

- describe different microorganisms, their structure and function as well as metabolism,
- describe microbial growth, microbial applications and growth-control,
- describe microbial evolution, -systematics, -genomics as well as methods for microbial analyses, and
- carry out basic laboratory tasks within microbiology, as well as interpret and present data.

5. Examination

The course is graded A (Excellent), B (Very good), C (Good), D (Satisfactory), E (Sufficient) or F (Fail).

A final grade of the course is only issued when both the examination parts in the course have been passed.

The examination Laboratory assignment involves a dugga. The purpose of the dugga is to ensure that the student has the required knowledge regarding safety surrounding the laboratory work. The dugga also secure that the student can perform the laboration in an occupational workmanlike manner. The student must pass the dugga in order to be able to participate and complete the laboration.

The examinations of the course consist of the following modes of assessment:

- **Supervised written examination**
  6 credits, grades: A/B/C/D/E/F (determines the final grade)
- **Laboratory assignment**[1]
  1.5 credits, grades: G/U

[1] The laboration is mandatory.

Students with a permanent disability who have been approved for directed educational support may be offered adapted modes of assessment.

6. Types of instruction and language of instruction

The teaching comprises lectures and laboratory sessions.

Depending on the study period, the language of instruction may be Swedish or English. Even if the teaching is conducted in Swedish, some English may still occur.

7. Course literature and other educational materials

Madigan, M. et al. (2018). *Brock biology of microorganisms* (15th ed.). Pearson Education. ISBN 9781292235103.

The latest edition of the course literature should be used.

8. Student influence

Student influence in the course is ensured by means of course evaluation. The students are informed about the results of the evaluation and potential measures that have been taken or are planned, based on the course evaluation.

9. Additional information

Further information about the course, as well as national and local governing documents for higher education, is available on the website of the University of Skövde.