UNIVERSITY OF SKÖVDE

TRANSLATION FROM SWEDISH

COURSE SYLLABUS

Molecular biotechnology – project A1F

7.5 credits

Course code: BV711A
Version number: 4
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 Molecular biotechnology – project A1F (Molekylär bioteknik – projekt A1F). It comprises 7.5 credits and is a second-cycle course. The level of progression is A1F.

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 Systems Biology. The disciplinary domain of the course is Natural Sciences.

2. Entry requirements

The course has the following entry requirements: at least 12 credits in BV717A Experimental Methods and Design in Bioscience A1N (or the equivalent).

An additional requirement is proof of skills in English equivalent of studies at upper secondary level in Sweden, known as the Swedish course English 6 or English level 2. This is normally demonstrated by means of an internationally recognized language test, e.g. IELTS or TOEFL or the equivalent.

3. Course content

In the course, an experimental project in molecular biotechnology is carried out in a group where the entire project chain from planning and information searching to experimental execution, analysis of data, evaluation and report writing is included. The course also contains discussions about research ethics concerning real cases.

4. Objectives

After completed course the student should be able to:

- design, organize, conduct, analyze and evaluate an experimental project and perform a risk analysis,
- present results that emanate from an experimental project in writing, and
- discuss ethical aspects connected to research and development of molecular biotechnology products and analyzing methods.

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 all the examination parts have been passed and is determined by a weighted average of the grades for the examination parts Laboratory assignment 1 and Report. The average value is rounded to the nearest integer (half rounded up) and translated into a final grade of the course.

The report is written in group.

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

- **Laboratory assignment 1**
  3 credits, grades: A/B/C/D/E/F
- **Laboratory assignment 2**
  2.5 credits, grades: G/U
- **Report**
  1 credit, grades: A/B/C/D/E/F
- **Seminar assignment**
  1 credit, grades: G/U

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 is comprised of laboratory sessions, seminars and supervision.

The teaching is conducted in English.

7. Course literature and other educational materials

Scientific articles and protocols.

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.