1 Name, Scope and Level of the Course
The course is provided by the University of Skövde and is named Genetics G1N. It comprises 7.5 credits and is on basic level. The level of progression of the course is G1N.

2 Objectives
After completed course, the student should be able to:

- describe the principles for inheritance
- describe mitosis, meiosis and the process from gene to protein
- describe recombination and linkage and the effects of these processes on the next generation
- describe concepts and use simple models within population genetics and quantitative genetics

3 Course Content
The course comprises an overview of classical, molecular and population genetics, the three main parts of genetics.

4 Forms of Teaching
The teaching comprises lectures, laboratory sessions and exercises.

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

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

Registration of examination results:

<table>
<thead>
<tr>
<th>Name of examination</th>
<th>Credits</th>
<th>Grading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supervised examination(^1)</td>
<td>4 credits</td>
<td>A/B/C/D/E/F</td>
</tr>
<tr>
<td>Exercises</td>
<td>3.5 credits</td>
<td>G/U</td>
</tr>
</tbody>
</table>

\(^1\) Determines the final grade of the course.

Students with a permanent disability who have been approved for special educational support may be offered adapted or alternative examinations.

6 Admission Requirements
The special prerequisites for this programme, besides basic eligibility for university studies, are the following upper secondary school courses Mathematics B, Science studies B, Civics A, English B or Mathematics 2a / 2b / 2c, Science studies 2, Civics 1b /1a1 +1a2, English 6.

The corresponding English proficiency can normally be shown by an internationally recognized language tests, such as IELTS or TOEFL (or equivalent).

7 Subject, Main Field of Study and Disciplinary Domain
The course forms a part of the academic subject area of Biomedicine. The course is a part of the main field of study in Biomedicine at the University of Skövde.
The course can also be a part of the main field of study in Bioscience, Molecular Biology. The disciplinary domain of the course is Natural Sciences.

Every course at the University of Skövde belongs to a subject. The division of subjects is used for follow-up and quality assurance. A main field of study is an area in which a degree can be awarded. Disciplinary domain is a division which is used by the government for the allocation of resources for studies at basic level and advanced level.

8 Approval of Course and Course Syllabus
The course was approved by the Curriculum Committee for Health on 23 May 2018. This course syllabus was approved by the Curriculum Committee for Health on 23 May 2018. It is valid from 1 July 2018.

9 Overlapping with Another Course
This course cannot constitute a part of a degree also containing a course the content of which is totally or partly equivalent to the content of this course.

10 Additional Information
Further information will be available on the university’s website before a course is given.

National and local regulations for higher education are available on the university’s website.

Upon completion of the course there will be a follow-up. The main purpose of this follow-up is to contribute to improvements of the course. The students’ experiences and views constitute one of the criteria for the follow-up and are gathered by means of course evaluations. The students will be informed of the results of the follow-up and any decisions regarding actions that are to be taken.

11 Course Literature and Other Educational Materials

Latest edition of the course literature should be used.