1 Name, Scope and Level of the Course
The course is provided by the University of Skövde and is named Human Genetics G1F. It comprises 7.5 credits and is on basic level. The level of progression of the course is G1F.

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

- describe and understand the principles of methods used in molecular genetics, and genetic testing of diseases
- describe and understand genes in pedigree and populations, genetic mapping of Mendelian characters, organization of the human genome and model organisms
- explain principles of human gene expression, pharmacogenetics and personalised medicine
- describe, understand and discuss ethical aspects of gene studies

3 Course Content
The course content is basic human genetics including the structure and function of the human genome.

4 Forms of Teaching
The teaching comprises lectures, laboratory sessions and seminars/group discussions.

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</td>
<td>4 credits</td>
<td>A/B/C/D/E/F</td>
</tr>
<tr>
<td>Laboratory report</td>
<td>1.5 credits</td>
<td>G/U</td>
</tr>
<tr>
<td>Seminars</td>
<td>2 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
Prerequisite courses for this course are: Courses: BM136G-Genetics G1N and MB105G-Cell Biology G1N and MB330G-Cell signalling G1F (or the 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 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**


Scientific papers.

Latest edition of the course literature should be used.