1 Name, Scope and Level of the Course

The course is provided by the University of Skövde and is named Cell Biology 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 structure and function of macromolecules in the cell,
- describe the build-up of the cell and the function of the organelles as well as how cells obtain energy,
- describe how the cell communicates and what occurs during signal transduction,
- describe the process from gene to protein,
- orally and in writing describe basic cell- and molecular biological information and problems individually as well as in groups, and
- carry out basic laboratory tasks.

3 Course Content

The course will provide basic knowledge in cell biology. The course will cover the build-up of cells, DNA and proteins together with processes that are important for cell function, e.g. transport across membranes, cell signaling and energy metabolism.

4 Forms of Teaching

The teaching comprises lectures, laboratory sessions and seminars/group discussions. Laborations and seminars/group discussions are mandatory.

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).

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.

Registration of examination results:

<table>
<thead>
<tr>
<th>Name of examination</th>
<th>Credits</th>
<th>Grading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supervised examination¹</td>
<td>5.5 credits</td>
<td>A/B/C/D/E/F</td>
</tr>
<tr>
<td>Seminar assignment</td>
<td>0.5 credits</td>
<td>G/U</td>
</tr>
<tr>
<td>Laboratory assignment²</td>
<td>1.5 credits</td>
<td>G/U</td>
</tr>
</tbody>
</table>

¹ Determines the final grade of the course.
² The exam contains dugga.

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 Bioscience. The course is a part of the main field of study in Bioscience at the University of Skövde. The course can also be a part of the main field of study in Biomedicine. 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 Bioscience on 25 October 2018. This course syllabus was approved by the Curriculum Committee for Bioscience on 25 October 2018. It is valid from 1 July 2019.

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