1 Name, Scope and Level of the Course

The course is provided by the University of Skövde and is named Molecular Biodesign - II G2F. It comprises 15 credits and is on basic level. The level of progression of the course is G2F.

2 Objectives

After completed course the student should be able to:

- conduct and assimilate a scientific literature search related to a specific project in molecular biodesign,
- plan, conduct, and evaluate an experimental project in biosciencie and perform a risk analysis
- orally and in writing present result that emanate from an experimental project in bioscience.

3 Course Content

The course focuses on an experimental project in bioscience in which a biomolecule is studied experimentally. The project involves planning, implementation, evaluation, as well as presentation. The purpose of the course is to apply knowledge in project management and entrepreneurship as well as learn more advanced experimental techniques in biotechnology.

4 Forms of Teaching

The teaching comprises quiz (associated with the laboration), laborations, supervision, and presentations.

The teaching is conducted in English.

5 Examination

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

The final grade of the course is determined by the sub-courses written assignment and written report and is calculated as a weighted mean value from the following grades: A=5, B=4, C=3, D=2, and E=1.

Registation of examination results:

<table>
<thead>
<tr>
<th>Name of examination</th>
<th>Credits</th>
<th>Grading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written assignment</td>
<td>5.5</td>
<td>A/B/C/D/E/F</td>
</tr>
<tr>
<td>Laboration</td>
<td>5</td>
<td>G/U</td>
</tr>
<tr>
<td>Written report</td>
<td>3</td>
<td>A/B/C/D/E/F</td>
</tr>
<tr>
<td>Oral presentation</td>
<td>1.5</td>
<td>G/U</td>
</tr>
</tbody>
</table>

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: Passed courses: MB323G-Molecular Genetics G1F and MB326G-Molecular Biodesign I G1F (or the 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 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 28 November 2019. This course syllabus was approved by the Curriculum Committee for Bioscience on 28 November 2019. It is valid from 1 July 2020.

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 articles and protocols.