1 Name, Scope and Level of the Course

The course is provided by the University of Skövde and is named Project in Applied Bioinformatics 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:
- apply commonly used tools in bioinformatics to a problem in molecular biology or biomedicine,
- plan and implement a simpler project intended to solve a bioinformatics problem,
- analyze and discuss results from a performed bioinformatics study,
- report results from a performed bioinformatics study, both orally and in a written report.

3 Course Content

The course gives the students practice in applying knowledge and skills acquired from previous course on a simpler molecular biological or biomedical problem.

4 Forms of Teaching

The teaching comprises supervision, project work 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).

Registration of examination results:

<table>
<thead>
<tr>
<th>Name of examination</th>
<th>Credits</th>
<th>Grading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written report(^1)</td>
<td>6 credits</td>
<td>A/B/C/D/E/F</td>
</tr>
<tr>
<td>Oral presentation</td>
<td>1.5 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

Prerequisite courses for this course are: Passed courses: BI117G-Introduction to Bioinformatics G1N (or the equivalent).

7 Subject, Main Field of Study and Disciplinary Domain

The course forms a part of the academic subject area of Bioinformatics. The course is a part of the main field of study in Bioinformatics at the University of Skövde. The course can also be a part of the main field of study in Bioscience. 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 22 February 2018. This course syllabus was approved by the Curriculum Committee for Bioscience on 25 April 2019. It is valid from 1 July 2019 and replaces the course syllabus approved 22 February 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 articles supplied by the course coordinator.