COURSE SYLLABUS

Evolution G1F
Evolution G1F
7.5 credits

Course Code: BV314G
The Course Syllabus is valid from: 1 July 2019
Date of Approval: 25 October 2018
Version Number: 2.1

Subject: Bioscience
Main Field of Study: Bioscience
Disciplinary Domain: Natural Sciences
Academic Level: Basic level

1 Name, Scope and Level of the Course
The course is provided by the University of Skövde and is named Evolution 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:

- explain evolutionary mechanisms (such as adaptation, fitness, mutations, genetic drift, migration) as well as different types of selection, and discuss their relevance for the process of evolution,

- describe main features in the evolutionary history of organisms (including the evolution of humans) and theories about the origin of life and evolution of the cell,

- explain principles of speciation as well as the cladistic method of creating evolutionary (phylogenetic) trees,

- describe how the view of species and their (in)variance over time has changed historically,

- discuss the scientific support for the theory of evolution,

- give an evolutionary perspective on basic morphology, physiology and life history characteristics of organisms,

- read, understand and give oral presentation of scientific articles with the course subject area.

3 Course Content
The course presents a basic orientation of the theory of evolution, its main features and historical background. It covers evolutionary mechanisms, speciation, the evolutionary history of organisms (incl. human evolution), theories of the origin of life and evolution of the cell and discusses the scientific support for the theory of evolution. The course also comprises knowledge on how to analyze the evolutionary relationship among species using the cladistic method and gives an evolutionary perspective on basic morphology, physiology and life history characteristics of organisms.

4 Forms of Teaching
The teaching comprises lectures, project work, seminars/group discussions and exercises. Field excursion are also included.

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>4.5 credits</td>
<td>A/B/C/D/E/F</td>
</tr>
<tr>
<td>Exercises</td>
<td>1 credits</td>
<td>G/U</td>
</tr>
<tr>
<td>Seminars</td>
<td>1 credits</td>
<td>G/U</td>
</tr>
<tr>
<td>Project</td>
<td>1 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 [BV101G-Biological Life Forms G1N or BV104G-Biological Forms and Function G1N].

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 24 May 2018. This course syllabus was approved by the Curriculum Committee for Bioscience on 25 October 2018. It is valid from 1 July 2019 and replaces the course syllabus approved 16 October 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, e.g. Biological Life Forms and Evolution G1N 15 credits.

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


Additional literature, such as scientific articles, may be added and will be provided by the course instructor.