1 Name, Scope and Level of the Course
The course is provided by the University of Skövde and is named Ecology, Nutrient Cycling and Landscape Processes 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 broadly how biotic and abiotic processes, such as biogeochemical cycles, soil formation, erosion, climate, and species interactions determine and are determined by ecological dynamics such as species distributions and dispersal,

- recognize and describe a number of Swedish habitats linked to the Habitats Directive

- explain briefly and discuss simple ecological theories on individual, population, community, and ecosystem level,

- discuss ecological aspects of some current environmental problems and the utilization of natural resources in fisheries, agriculture and forestry,

- plan, implement, and analyze a simple ecological survey, and

- read, understand, and verbally present scientific articles within the course subject.

3 Course Content
The course provides knowledge about the fundamentals of ecology such as the interaction between organisms and the interaction between organisms and the abiotic environment. Biogeochemical cycles, geological landscape processes, and the dynamics of populations and ecological communities are introduced. The course also deals with a number of Swedish natural and anthropological habitats and ecological aspects of utilization of natural resources as a starting point from Swedish examples in fisheries, agriculture & forestry.

4 Forms of Teaching
The teaching comprises lectures, project work, seminars/group discussions and exercises.

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 1, 2 written</td>
<td>4 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>0.5 credits</td>
<td>G/U</td>
</tr>
<tr>
<td>Project</td>
<td>2 credits</td>
<td>G/U</td>
</tr>
</tbody>
</table>

1 Determines the final grade of the course.
2 The exam contains a part assignment in the form of a test that is mandato-
ry and intends to enable the evaluation and proving of acquired knowledge.

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: [KE116G-Chemistry and Impacts on Environment and Health G1N or KE117G-Basic Chemistry G1N] and [BV101G-Biological Life Forms G1N or BV104G-Biological Forms and Function G1N] (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 22 October 2015. 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 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, e.g.
Ecology and Landscape Processes G1F 15 credits
Ecology I A28, Basic level 5 points
Ecology II B13, Intermediate level 5 points

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


Other literature, as scientific articles, may be provided and instructed by teachers.