



## HÖGSKOLAN I GÄVLE

### Sustainability in Nordic Ecosystems A 7.5 cr

*Hållbarhet i Nordiska Ekosystem 7,5 hp*

Set by Faculty of Engineering and Sustainable Development

**Version**

**Set at**

**Valid from**

8/27/10

**VT2019**

<b>Level</b>	G1N
<b>Education level</b>	First cycle
<b>Course identifier</b>	BI303A
<b>Credits</b>	7.5 cr
<b>Main field of study</b>	Biology
<b>Subject group</b>	Biology
<b>Disciplinary domain</b>	Natural sciences 100.0 %

**Learning outcomes** After successful completion of the course the student should be able to describe:  
1. environmental conditions of concern regarding sustainability in Nordic ecosystems  
2. current environmental issues in the Nordic countries  
3. past and present environmental problems and ways to improve conditions  
4. the importance of sustainable use of natural resources.

**Course content** Fishery, mining and forestry today and in history  
Energy use in Sweden  
The use of nature for recreation, fishing, hunting and ecotourism  
Soil and land use  
Effects of climate change  
Use and misuse of natural resources  
Consequences of pollution in cold climates

**Teaching** Classroom lectures  
Field studies  
Outdoor lectures  
Seminars  
Group discussions

	Group and individual projects Visits to major industries to learn how they deal with environmental issues A visit to the Falun copper mine
<b>Prerequisites</b>	General entry requirements.
<b>Examination</b>	Seminar and group discussion activity. Oral presentation of project work.
<b>Grade</b>	A, B, C, D, E, Fx, F
<b>Limitations</b>	Seminars, excursions and projects are compulsory. All compulsory parts are needed to achieve a final grade. Occasional absence from compulsory parts might in special cases be compensated by agreement. In case of failing the written exam the students are entitled to make one renewed attempt within three weeks.
<b>Other regulations</b>	Students will be expected to contribute actively and to apply their knowledge to the current issues. Students are required to work on their own between teaching hours. Working load is 40 hours per week, all weeks. Criteria for final grade will be handed out at the beginning of the course.
<b>Sustainable environment</b>	The majority of the course content deals with sustainable development..
<b>Module</b>	0010 Written examination <span style="float: right;">7.5 cr</span> <span style="float: right;">Grade: AF</span>