



**HÖGSKOLAN  
I GÄVLE**

**Alpine Ecology 7.5 cr**

*Alpin ekologi 7,5 hp*

Set by Faculty of Engineering and Sustainable Development

**Version**

**Set at**

**Valid from**

6/9/09

**VT2019**

<b>Level</b>	G1N
<b>Education level</b>	First cycle
<b>Course identifier</b>	BI304A
<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 will be able to:

1. describe the concept and benefit of outdoor studies in theory and practice
2. describe basic knowledge about the impact of climate, history and geology on nordic alpine ecosystems including adaptation, human impact and biodiversity
3. have basic knowledge about alpine and arctic plants and animal and their ecological adaptation
4. explore the Swedish outdoor tradition and understand its origin and characteristics

**Course content**

Alpine and arctic flora and fauna  
Special adaptations to arctic/alpine environments  
Outdoor experience through senses  
Geology of Scandinavian mountains  
Alpine climate  
How to behave and survive in alpine conditions  
Different types of human impact on the environment.

**Teaching**

Lectures (outdoor and classroom), seminars, excursions and work shops. Students will be expected to complete a one week field trip in the mountains.  
Group and individual projects.

<b>Prerequisites</b>	General entry requirements		
<b>Examination</b>	Evaluation of practical field skills throughout the course. Seminar and group discussion activity. Oral presentation of project work. Written examination.		
<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 Alpine Ecology	7.5 cr	Grade: AF