



**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

Level	G1N
Education level	First cycle
Course identifier	BI304A
Credits	7.5 cr
Main field of study	Biology
Subject group	Biology
Disciplinary domain	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 artic plants and animal and their ecological adaptation 4. explore the Swedish outdoor tradition and understand its origin and characteristics
Course content	Alpine and artic flora and fauna Special adaptations to artic/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.

Prerequisites	General entry requirements
Examination	Evaluation of practical field skills throughout the course. Seminar and group discussion activity. Oral presentation of project work. Written examination.
Grade	A, B, C, D, E, Fx, F
Limitations	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.
Other regulations	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.
Sustainable environment	The majority of the course content deals with sustainable development..
Module	0010 Alpine Ecology 7.5 cr Grade: AF