



Telemark University College
Faculty of Arts and Sciences

EXAM

IN

4501-002 ALPINE ECOLOGY

MARCH 2011

Time: 4 hours

Language: English

Number of pages: 2 pages including the front page

Aid: English-dictionaries

Appendix: None

English

1. Describe the population trends of wolf, bear, wolverine and lynx in Norway. For each species give a short description of methods used to monitor the populations.
2. Wild reindeer are vulnerable to human disturbance. Give some examples of the types of disturbance that have a negative impact on reindeer. Explain how disturbance may influence the use of wintering grazing areas using data from Hardangervidda and Rondane.
3. Describe the main floristic/vegetation criteria we can use for the delimitation of the following alpine vegetation zones: a) Northern Boreal zone, b) Low Alpine zone, c) Middle Alpine zone, d) High Alpine zone.
4. Explain different ecological effects of snow in mountain areas.
5. Describe the main vegetation types in Scandinavian mountains.