

# BD582- Mountain ecology

Semestre 1, 2024

Aulas teóricas e práticas, ministradas em português, e trabalho de campo serão utilizados para introduzir o estudo de ecologia em regiões montanhosas.

A worldwide perspective of high mountains;

The high mountain environment – energy and climate;

Habitat creating factors: landforms and hydrology;

Elevation gradients: biophysical factors and their relationship with the distribution of organisms;

High mountain soil ecology;

High mountain terrestrial habitats and community types / assemblages;

High mountain freshwater environments;

Biogeography, adaptation and evolution of high mountain biota;

Temporal and spatial dynamics of high mountain ecological communities;

Global change impacts on high mountain habitats (1): climate change and atmospheric nitrogen deposition;

Global change impacts on high mountain habitats (2): land use, exotic species and conservation of high mountain landscapes, ecosystems, and species;

High mountain biogeochemistry