



DEPARTMENT OF EARTH SCIENCES

NGEO307 Landscapes and climate – an non-Nordic excursion, 5 credits

Landskap och klimat – en utomnordisk exkursion, 5 högskolepoäng

Third-cycle level / Forskarnivå

Confirmation

This syllabus was confirmed by the Department of Earth Sciences on 2019-10-26, and is valid from Autumn semester 2019.

Responsible Department

Department of Earth Sciences, Faculty of Science

Entry requirements

Admitted to third cycle education

Learning outcomes

On successful completion of the course, the third-cycle student is expected to be able to:

Knowledge and understanding

1. understand the landform development, climate zones and zonation of terrestrial biomes in the region of interest
2. conceive how the landscape, climate and vegetation has affected economic development in the region in the past and will affect in the future
3. describe the processes that has formed the landscape as well as the regional climate and geography of the region
4. understand the role of human activities on the landscape, climate and vegetation in the region

Competence and skills

1. review and summarize scientific literature from different research disciplines

2. present and discuss the climatology, landscape development and vegetation in the region orally and in text
3. collaborate interdisciplinary with other students/scientists

Judgement and approach

1. discuss and reflect on the significance and potential of the climate and landscape for the economic and environmental development in the region

Course content

The course will give graduate students a broad holistic knowledge about the climatology and geomorphology in a non-Nordic location. Lectures and seminars will take an earth system perspective and cover: geology and geologic history, geomorphological regions, regional climate and climate zones, terrestrial ecology, water resources and management, economy, sustainable development and regional geography.

Types of instruction

This course will be given as a 4 weeks course, with literature studies and lectures during the first two weeks. During these week an excursion guide will be produce by the students. The following two weeks (c. 14 days) will be a field excursion to the region. During the field excursion students will present reports from specific topics/areas throughout the course of the excursion.

Field studies are a fundamental method of learning in earth sciences and geography. During a field excursion students will experience a more holistic, integrated picture of the information that is possible to present in a lecture, or by reading a text. The field study approach also gives the opportunity to see new things and learn about them in a more unstructured way than normal “indoor” teaching offers. In addition to that students are energized by the excitement and anticipation of leaving their normal lab-, or office environment.

All items including lectures, production of study guide and excursion are compulsory.

The excursion involves expenses for the participants who are recommended to apply for funding to cover these costs according to a preliminary budget.

Language of instruction

The course is given in Swedish but can be given in English if necessary.

Grades

The grade Pass (G) or Fail (U) is given in this course.

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Types of assessment

The grade will be based on participation in the field excursion, an oral presentation and on an

written report handed out during the excursion.

Course evaluation

An oral course evaluation is carried out together with the participants at the end of the course, and is followed by an individual, anonymous paper survey. The oral evaluation will be documented in a written version and handed over to the director of postgraduate studies together with the anonymous survey.