



DEPARTMENT OF EARTH SCIENCES

NG1610 Climate Change/Mankind/Society, 7.5 credits

Klimatförändringar/människa/samhälle, 7,5 högskolepoäng

First Cycle

Confirmation

This course syllabus was confirmed by Department of Earth Sciences on 2011-02-01 and was last revised on 2020-04-23 to be valid from 2020-05-14, spring semester of 2020.

Field of education: Science 100%

Department: Department of Earth Sciences

Position in the educational system

The course includes 7,5 credits at the undergraduate level. The course is offered as an elective course subject to availability. It is not possible to transfer this course to be included in N1GVS Bachelor's Programme in Earth Sciences or N1GEO Bachelor's Programme in Geography.

Entry requirements

General entrance requirements

Learning outcomes

On successful completion of the course the student will be able to:

Knowledge and understanding

- have received an overview over physical geography/geographic aspects in climatology with an emphasis on climate changes

- have basic knowledge how increasing temperatures influence sea level, the occurrence of extreme weather, the food production and the society.
- have advanced knowledge of which factors that control the climate and how the climate is influenced by human and natural activities.
- have an understanding of the complexity of the climate system and the issue of climate change.

Competence and skills

- have the ability to read and understand texts that address various aspects of climate change from a climatological and geoscientific perspective.

Judgement and approach

- have a scientific approach to texts and news that deals with climate change.

The course is sustainability-focused, which means that at least one of the learning outcomes clearly shows that the course content meets at least one of the University of Gothenburg's confirmed sustainability criteria. The content also constitutes the course's main focus.

Course content

The course deals with the factors on climate change in short and long term and how the climate has varied over the millions of years. The ongoing climate change is put into historical perspective, which allows an interpretation of human influence and what can be regarded as natural climate variations.

A description is given of the effects that climate change can have on ecosystems and society.

The processes that regulate the climate are explained as well as how to study in different ways the effects of climate change.

Form of teaching

The teaching includes self-studies throughout the duration of the course via Canvas.

The communication between teacher and student takes place through Canvas and via e-mail.

The course book is supplemented by theme-based questions and assignments. The student works individually with each assignment and submits written responses within

the given time frame.

Language of instruction: Swedish

Assessment

Component 1 Climate changes, man, society theory, 7.5 credits: Fail/Pass

Examination is made in the form of written assignments.

If a student, who has failed the same examined element on two occasions, wishes to change examiner before the next examination session, such a request is to be submitted to the department in writing and granted unless there are special reasons to the contrary (Chapter 6, Section 22 of Higher Education Ordinance).

If a student has received a recommendation from the University of Gothenburg for special educational support, where it is compatible with the learning outcomes of the course and provided that no unreasonable resources are required, the examiner may decide to allow the student to sit an adjusted exam or alternative form of assessment.

In the event that a course has ceased or undergone major changes, students are to be guaranteed at least three examination sessions (including the ordinary examination session) over a period of at least one year, though at most two years after the course has ceased/been changed. The same applies to placements and professional placements (VFU), although this is restricted to just one additional examination session.

Grades

The grading scale comprises: Pass (G) and Fail (U).

For the grade Pass (G) in the course the grade Pass (G) all elements in the course must be passed.

Course evaluation

Course evaluation is carried out at the end of the course.

The result of and possible changes to the course will be shared with students who participated in the evaluation and students who are starting the course.

Additional information

For participation in the course are required access to computer and Internet connection.