



FAG5132 Sustainability Issues and Ethics in Geodesy 1.5 credits

Hållbarhet och etik i geodesi

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for FAG5132 valid from Spring 2019

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

The objective of the course is:

- to make students aware of how geodesy can contribute to environmental-, technical-, social-, and economical sustainability
- to enable students to demonstrate knowledge of the UN resolution “A Global Geodetic Reference Frame for Sustainable Development”
- to enable students to demonstrate knowledge of the geodetic contributions to monitoring of the effects of climate change

Course contents

The course is initiated with a lecture introducing and discussing the UN sustainability goals, the UN resolution on a global geodetic reference frame for sustainable development, the UN Intergovernmental Panel on Climate Change (IPCC), as well as ethical aspects in geodesy, and other topics of international geodetic relevance at the time of the lecture.

The lecture will be followed by a seminar where the students must present and discuss their own geodetic research in a context of sustainable development and current ethical questions

Course literature

UN resolution “A Global Geodetic Reference Frame for Sustainable Development”:
http://www.un.org/en/ga/search/view_doc.asp?symbol=A/RES/69/266

UN web site on sustainability goals: <https://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Examination

- SEM1 - Seminar, 1.5 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.

