



F1E5008 Physical Geodesy, Advanced Course 15.0 credits

Fysikalisk geodesi, högre kurs

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

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

Establishment

Course syllabus for F1E5008 valid from Autumn 2016

Grading scale

undefined

Education cycle

Third cycle

Specific prerequisites

Physical geodesy and Theory of errors

Language of instruction

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

Intended learning outcomes

After completing this course, a student should have obtained a deep insight on current problems and research topics in physical geodesy.

Course contents

1. Literature study of research papers in the field of physical geodesy, published on international journals during the last 2-3 years.
2. Review current research topics in physical geodesy, focusing on problems, methods, progresses made so far and remaining work.
3. Select one current research topic based on the literature review and investigate on this topic, e.g. to verify existing solutions, or find alternative solutions or demonstrate possible improvement.
4. Present the above literature study and self investigation in a short project report.

Course literature

* research papers published on "Journal of Geodesy", "Journal of geodetic Science", "Journal of Geophysical Research International"

* Sjöberg (2011). The KTH method to modelling the geoid. pp. 1-62.

Examination

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.

Other requirements for final grade

Project report including literature review and self investigation of a selected topic

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.