



Course Report

Course(s)

- Terrestrial Geophysics, GG7025-59058 7.5 hp

Semester

Spring 2021

Course Site Name in Athena

Terrestrial Geophysics-VT21 (7053)

Department

Department of Geological Sciences

Published:

2021-06-30

Number of respondents

8

Number of answers

5

Compilation

[Compilation GG7025 VT21.pdf](#)

Description of changes since the last course and decisions already made since last course date (if any was made)

This was the second time the course was run. Last year, we changed the course outline because of COVID-19 restrictions and divided the course in two moments (5 + 2.5 hp), which was not done this time. Some theoretical exercises were replaced. The fieldwork was performed in a different area, but was still done in Frescati because of travel restrictions. Last years' adaptations in form of distance teaching was kept this year too. This year, the examination was based on 80% written home exam (open book, 24 h duration) and 20% report.

The strengths of the course's according to the students

(summary based on quantitative results, text responses from the survey and any other evaluation during the course)

Interesting subject that fills a gap in the education. Students feel comfortable asking questions. Fieldwork where students get to use various geophysical instruments in real geological situations. Very good instructors.

The weaknesses of the course according to the students

(summary based on quantitative results, text responses from the survey and any other evaluation during the course)

Many students think the report should make up a larger part of the examination. One student would like the fieldwork to be more industry-oriented. One or two students think the final exam was too large/exhaustive.

The teachers' analysis of the course's implementation and results

The course was very successful despite the COVID-19-adaptations, and the vast majority of the students performed very well on the examination. The fieldwork was done thoroughly and with great enthusiasm by all students.

Conclusions and suggestions for possible changes in order to develop the course and any decisions already made to develop the course before future course dates.

It would be difficult to make the fieldwork more industry-oriented without changing the course contents in a major way. The fieldwork IS done in a realistic way, but geophysical surveys are usually done at a very early stage in a project and are not that common in the majority of industry geology projects that students will encounter in their work life. However, the geophysical methods of the course give a more thorough understanding of rock properties, and in reading and understanding geophysical maps - knowledge that is very valuable in the industry. This information could be made more clear during the course. We also hope to be able to use an additional instrument (WADI, a VLF instrument) next year.

That the report should make up a larger part of the examination is a fair point, and we will try to implement this change next year. The difficult part is to make the report guidelines conform with the 7-degree grading system in a fair and equal way, when students work in groups in different field areas with different geological conditions. This requires careful consideration and restructuring of the fieldwork and exercises, which we did not have time for during this pandemic-year.

The original plan was to do the fieldwork in a different location, more varying geologically and geophysically, which we hope to be able to do next year.

Other comments