



Course report:

## GEO316 Practical Skills in Remote Sensing and Spatial analysis

1. Course information	
Course description	<a href="https://www.uib.no/emne/GEO316">https://www.uib.no/emne/GEO316</a>
Semester	Spring 2023
Course Coordinator	Olena Dubovyk
Forms of Assessment	<b>Portfolio assessment and oral poster presentation.</b> <ul style="list-style-type: none"><li>• Portfolio assessment: The portfolio contains a group assignment (25%) and a poster presentation (75%)</li><li>• Presentation: The oral poster presentation may adjust the final grade.</li></ul>
Teaching and learning methods	Lectures and seminars
Compulsory Activity	Presentation of group assignment.

2. Statistics	
Registered for exam	15
Passed	14
Not met	1
Average grade	B

**Grade distribution**

A bar chart titled 'Grade distribution' showing the number of students for each grade. The y-axis represents the number of students, ranging from 0 to 7. The x-axis represents the grades A, B, C, D, E, and F. The bars are blue. The values are: A: 4, B: 6, C: 4, D: 0, E: 0, F: 0.

Grade	Number of Students
A	4
B	6
C	4
D	0
E	0
F	0

### 3. Egenevaluering/Self assessment

*Vurdering av undervisningsopplegget i forhold til mål og resultater (emneansvarlig)*

*Assessment of the teaching plan in relation to goals and results (course coordinator)*

The Geo316 course is offered mostly to Master-level students from both Geography and Earth Science Department, though we had several participants from other Norwegian Universities (Oslo) and several Erasmus Students. Overall, the course is focused on teaching methodological skills in the field of Remote Sensing mastered via practical labs that are self-implemented by the students in the class under the supervision of the instructors. The theory part is offered via pre-recorded video lectures, which were recorded 2 years ago. The practical labs teach the diversity of methods in Remote Sensing and, thus, rely on the usage of the different software packages. Before the course started, every instructor on the course went through the practical lab materials to update its content.

In general, the course examination results were again broadly positive in 2023. Given the diversity of student enrollment in GEO 316 – and the correspondingly wide range of individual student backgrounds – many students experience the course as simple to quite challenging. However, the 2023 cohort performed quite well on the final exam which was in the form of the Poster presentation. Once again, the practical lab-oriented full-day teaching sessions appear to have been particularly helpful in preparing students for the exam and their mandatory submission.

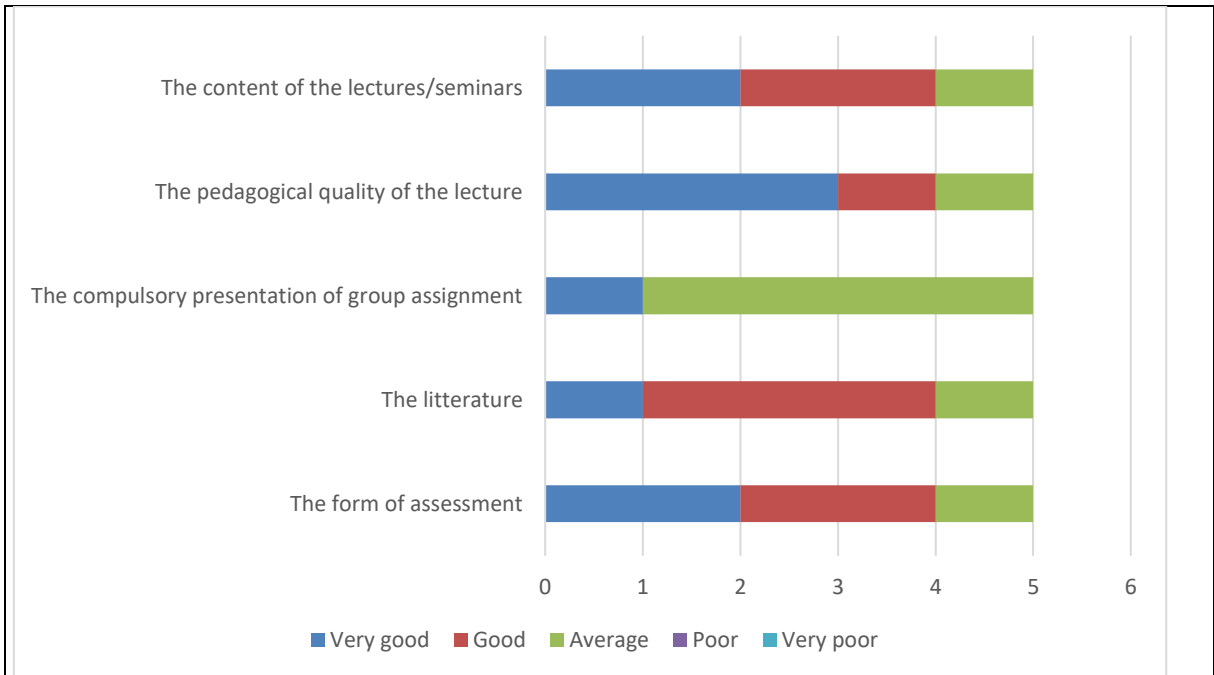
### 4. Results from student evaluation

5 responses

#### #1 I study GEO204 as part of:

- One of the master's programme in geography at UiB: 80%
- Other programme at UiB: 20%

#### #2 How do you assess the different parts of the learning and assessment?



**#3 Do you have comments about the lectures/seminars?**

*Comments deleted in this version.*

**#4 Do you have comments about the compulsory presentation of group assignment?**

*Comments deleted in this version.*

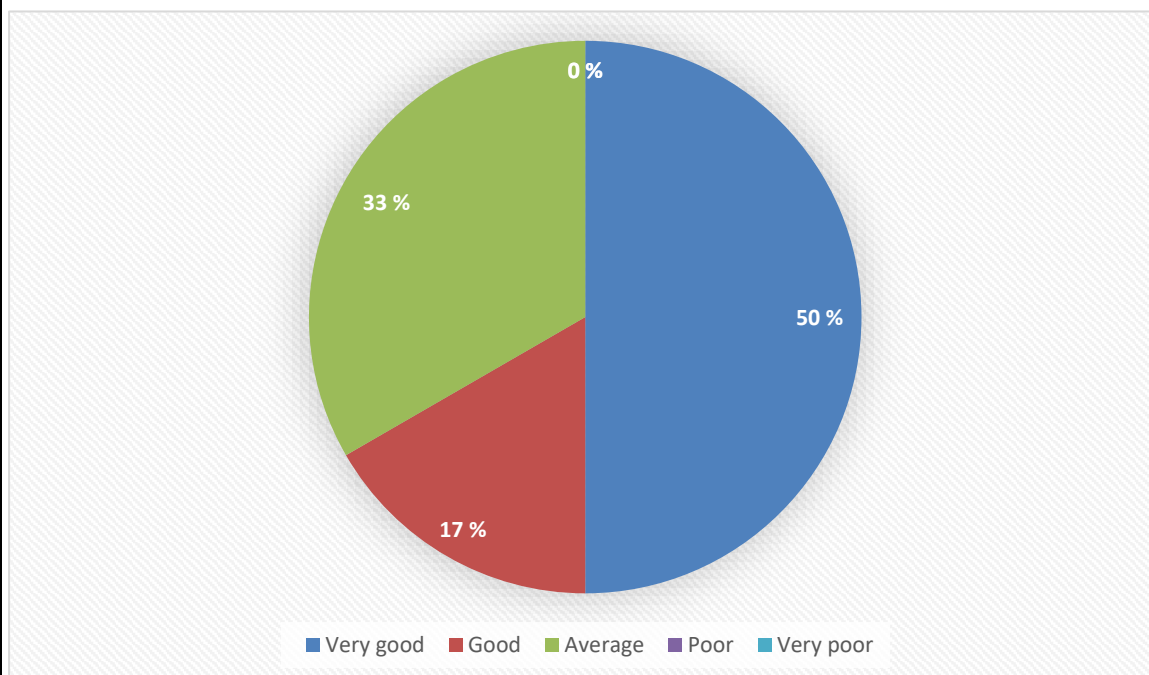
**#5 Do you have comments about the litterature?**

*Comments deleted in this version.*

**#6 Do you have comments about the forms of assessment?**

*Comments deleted in this version.*

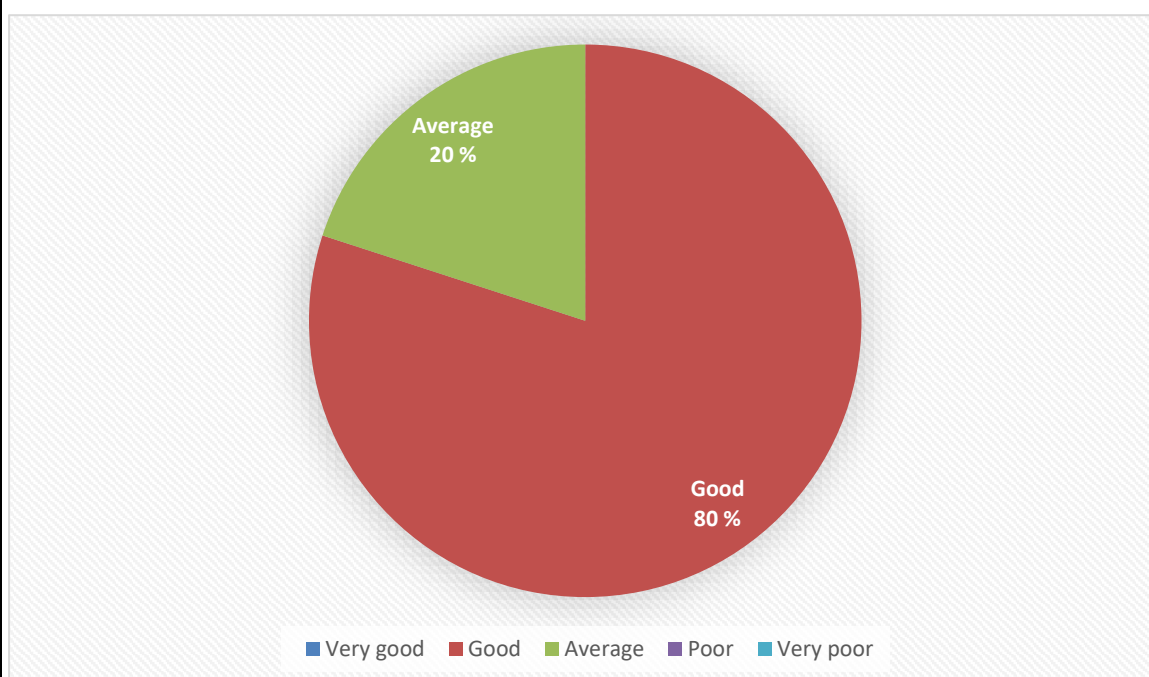
#7 Did you find that the course reflected the learning outcomes described in the course description? <http://www.uib.no/en/course/GEO316>



#8 Did you find that the information on Mitt UiB, including announcements, was sufficient to keep you updated during the course?

- Yes: 3
- No: 2

#9 What is your overall evaluation of the course?



**#10 Do you have comments on your overall evaluation of the course?**

*Comments deleted in this version.*

**#11 Do you have suggestions on how we can improve the course?**

*Comments deleted in this version.*

**5. Oppfølging/Follow up**

*Oppfølging av/kommentarer til tidligere evalueringer. Hvordan rapporten følges opp, evt. tiltak eller endringer som er gjort/planlegges gjennomført på bakgrunn av emnerapporten/ / **What adjustments to the curriculum would you recommend for the next time the course will be offered?***

As indicated above, the Geo316 course is generally perceived as difficult but highly popular and rewarding. Despite this, the exam scores suggest that most students can achieve the course's learning objectives and meet the evaluation criteria successfully.

As a response to the student's evaluation received this year, the following points of improvement are recommended in 2023:

1. Better time planning for the course: some students found it quite challenging to complete the mandatory tasks in the course and the final assignment in the provided time frame, it is recommended to increase the time for independent work on their assignments for at least 3 weeks.
2. Technical issues: on the first day of the course many students experienced technical problems that ideally should be avoided but practically are independent of the instructors of the Geo 316 course as they are organized by the IT department of UiB. The Geo 316 instructors have already discussed this issue and future planning for Geo 316 course with the IT department in an attempt to solve this technical issue for the spring semester of 2024.
3. There will be a student assistant hired to update the lectures / materials for Spring 2024, paid from the Earth Science Department.