Comment on the course evaluation of GEOM10, fall 2022

13 of 14 students answered the course evaluation, which is thus representative.

The course was held under this form for the sixth time. Overall the course got an excellent mark of 4.8 on a scale 1-5 (5 = top) (2017: 4.4; 2018: 4.3; 2019: 4.7; 2020: 4.2; 2021: 4.6). We observed an augmentation of satisfaction during the last years as we ongoing try to improve our course. The field excursions in Austria, Skåne and Denmark were considered the highlight of the course. The different applied exercises were also much appreciated. Most of the exercises and lectures got also a very high ranking. The professors' openness towards students' questions, the diversity in topics, the course materials, and the level of detail were also praised.

The personal project (myBasin) got also a high ranking with some students being enthusiastic. Past complaints about unclear instructions on the written part of the project, seem to have been resolved this year. However, some complaints remain regarding the instruction for the oral presentation, which will be ameliorated next year. The lectures were praised as being for most at a good level and informative. The "paleoenvironmental proxies" week was the last years at the centre of frustrations. It seems that this year, the rearrangement of the week has been fruitful, as there were fewer complaints. More precise instructions for the exercise of this week are however asked. The newly facultative course on the use a drawing software (type Illustrator, Corel draw, Affinity design, etc.) was a success as 2/3 of the students did take part in it. It will be reconducted.

There is always in the answers a tension between asking for more input and diminishing the load. And this problem is difficult to resolve. The fact that some students found the lectures too easy, whereas some found them too demanding is interpreted as they are at good balance. This year we increased the subject "carbon capture and storage" which had success and several students asked to increase this matter further, which we will try to implement. Some powerpoint presentations are found to be too poor in information for exam revision. And there were some critics that the literature list was not corresponding to the course content. We updated the literature list and adapted it as much as possible to the course content. A more comprehensive literature list should also diminish the need for extensive powerpoint texts. However, an effort will be made on the one which receive the more critics (diagenesis, oxygen isotope).
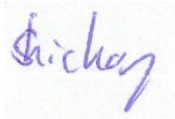
The examination and grading system seems to have been considered in the past few years as the most problematic part of the course. We have to change it for next year. The examination will count only for half of the final note, with the work on the personal project, the fieldwork report and the core analyses being increased in their weight on the final grade. We hope that this new balance in grading will be more in adequation to the student effort during the course.

For the field trips, the instructions were asked to be distributed earlier and that the security in the field was better instructed with more systematic use of the safety goggles. This will be implemented next year.

In summary, here is what should be ameliorated for next year:

⸺ The grading systems have been adapted with the exam being 50%, the personal project 25 %, the fieldtrip report 15% and the core exercise report 10%
⸺ The literature list have been already updated and adapted to the content.
⸺ Ameliorate the powerpoint texts, if not corresponding to a new text in the new literature list.
⸺ Ameliorate the instructions for the "proxies" exercises.
⸺ Be more explicit in the instruction for the oral presentation of the MyBasin project
⸺ Increase the time devoted to Carbone capture and storage subject and on coastal deposit.
⸺ Ameliorate the safety instructions on the field

Lund, 2023. 04. 14

Sylvain Richoz, course coordinator.

Read and approved by the student's course representative:
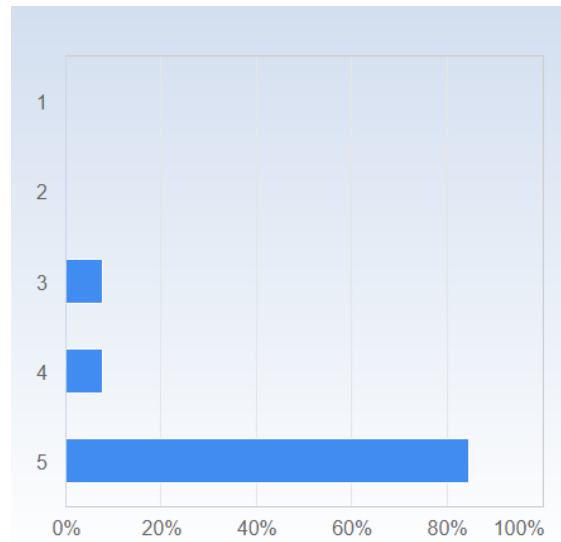
Simon Eng

GEOM10-2022

Answer Count: 13/14

Please grade the statements below from 1-5: Disagree (1) – Agree (5)

Overall assessment

Overall, I was satisfied with the quality of this course.

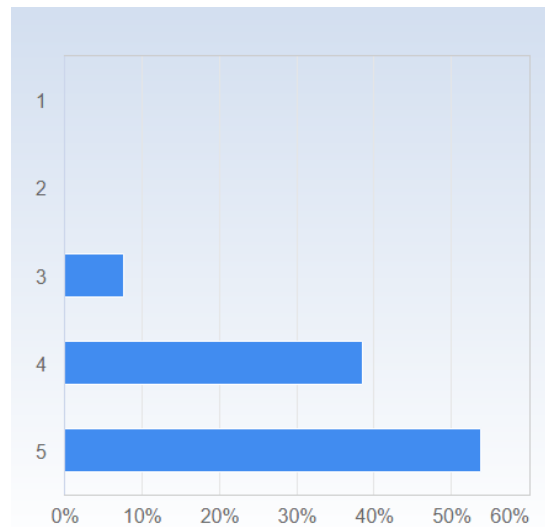| Overall, I was satisfied with the quality of this course.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (7.7%)
4	1 (7.7%)
5	11 (84.6%)
Total	13 (100.0%)

	Mean	Standard Deviation
Overall, I was satisfied with the quality of this course.	4.8	0.6

Clear Goals and Standard

## I usually had a clear idea of where I was going and what was expected of me in this course.

I usually had a clear idea of where I was going and what was expected of me in this course.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (7.7%)
4	5 (38.5%)
5	7 (53.8%)
Total	13 (100.0%)

	Mean	Standard Deviation
I usually had a clear idea of where I was going and what was expected of me in this course.	4.5	0.7

Did the course fulfil what the course plan stated ?

Did the course fulfil what the course plan stated ?	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	2 (15.4%)
5	11 (84.6%)
Total	13 (100.0%)
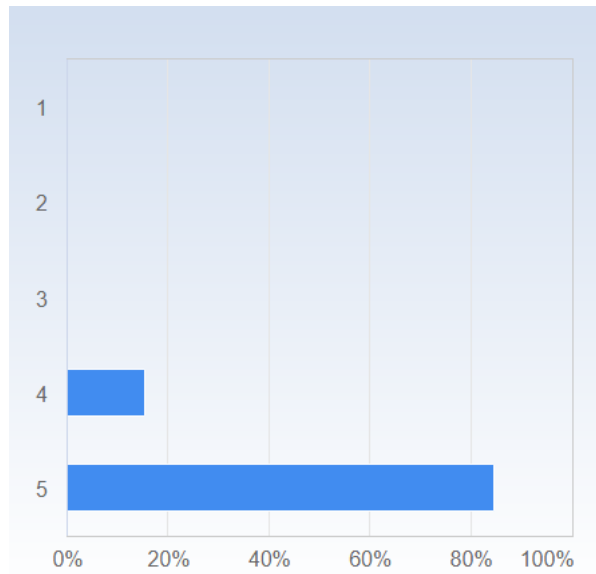
	Mean	Standard Deviation
Did the course fulfil what the course plan stated ?	4.8	0.4

Comments
It was challenging to know which level to put the work on and what degree of detail was expected. It meant a lot of unnecessary stress at times.
The couse was conducted in well planed manner.
It had a clear structure and we got information about what was expected from us

What do you think was best with the course?

The Alp excursion and My Basin.
The field trips and exercises were well coordinated with the lectures, helping to deepen and apply the knowledge we just gained.
The excursions. The core exercises. Sequence analysis. Lectures in general.
The trip to the Alps was amazing
The field trip to the Alps and the exercises.
The excursions and how well it tied previous knowledge (bachelor's programme in Lund) together.
The field trip in Austria.
I realy apprecheated the high amount of practice time including the excursion
Course was oriented to teach the geological knowledge in practically in the field. Sylvain and mikeal did a great job, exexplaining even the tiny fact for the localities.
A good mix!
I like the field trip the most because we can see what's in the lecture in real life also the exercises that we've done is good as well.
I thought the field trip was a lot of fun and informative. The professors are kind and want to help you.
The best part was the practical work like labs , excursions , my basin as due to my basin project i was able to search and read alot which cleared my a lot of questions and confusions

What do you think was bad in this course?

What do you think was bad in this course?
nothing really
The lack of course litterature
Some of the lectures were rushed so we couldn't take proper notes. This made it harder to study for the exam.
It was a very packed course and there were a lot of stressful moments—also quite a lot of unclarity which leads to a lot of extra work at times. The exam is also too big and too much depends on it.
There is not many time for the thin sections.
To me me, It good to have some more example questions for isotope fractination.
The review process of the mybasin texts - I wish to give review to a complete text and also get a complete response.
Not bad but, having lab works until 4 or 5 pm everyday in a week is quite tough. Also there is some repetition of the isotope proxies lectures so i think it should manage next year.
I think the isotope part could possibly be explained better. If you did not get it it was hard to understand from the powerpoint alone
Well there was not any bad part but yeah the lacture's presentation was số lengthy

Do you have any proposition to improve the course?

| Do you have any proposition to improve the course? |
| --- |
| Maybe some seminars? Was kind of surprised by the lack of them. |
| Some lectures and parts of lectures were to basic during the proxie /geochem. week. The diagenesis part was difficult to read up on, perhaps an exercise related to diagenesis would be good. I would have appreciated more of the alluvial-deltaic / coastal / fluvial part, more lecture time or an exercise. |
| Maybe an excercise on the first week of lectures - the tectonics and basin types |
| Allocate some of the myBasin time to the exam preparation. |
| A smaller exam and clearer details of what is expected. Examples of answers for the exam or reports would be good because it is so hard to gage how much detail to go into and how extensive writing is needed. |
| More work on the thin section and maybe more percent for the field trip on the final mark of the course. I think that our own work on the field trip is more important. |
| It is good if there is any possibility to introduce a software tutorial for sequence statigraphy. |
| Maybe next year we can divide it up so those who are finished review each other texts and those who are not done get to review each others at a later time! |
| Maybe manage some schedule to be more relax on lab week. |
| Maybe revise the powerpoint with more text´. Otherwise no. Timewise, structure and professors was good and I was happy with the outcome. |
| Overall course was perfect so I don't have any propositions |

Evaluate the different parts of the course Choose 1-5. Where 1 = Very bad , 5 = Very good

Lectures and exercise

Introduction week and sedimentary basin

Introduction week and sedimentary basin	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (7.7%)
4	3 (23.1%)
5	9 (69.2%)
Total	13 (100.0%)
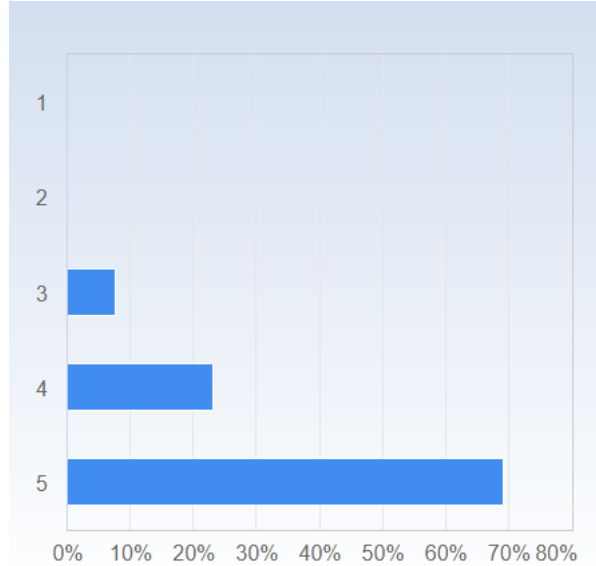
	Mean	Standard Deviation
Introduction week and sedimentary basin	4.6	0.7

Sequence Stratigraphy, seismic and well logging

Sequence Stratigraphy, seismic and well logging	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	5 (38.5%)
5	8 (61.5%)
Total	13 (100.0%)
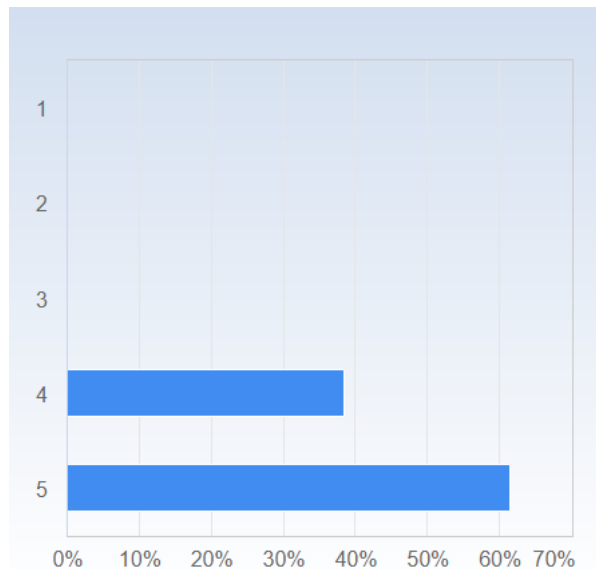
	Mean	Standard Deviation
Sequence Stratigraphy, seismic and well logging	4.6	0.5

Sequence Stratigraphy and well logging exercise

Sequence Stratigraphy and well logging exercise	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (7.7%)
4	2 (15.4%)
5	10 (76.9%)
Total	13 (100.0%)
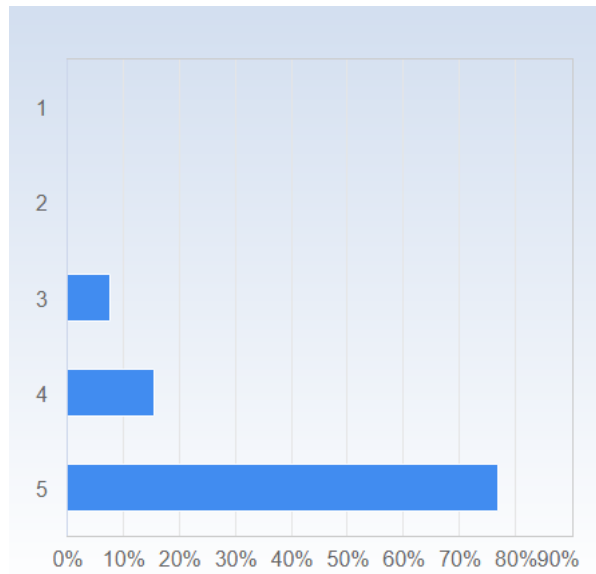
	Mean	Standard Deviation
Sequence Stratigraphy and well logging exercise	4.7	0.6

Cool and warm Water Carbonate

Cool and warm Water Carbonate	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (7.7%)
4	3 (23.1%)
5	9 (69.2%)
Total	13 (100.0%)
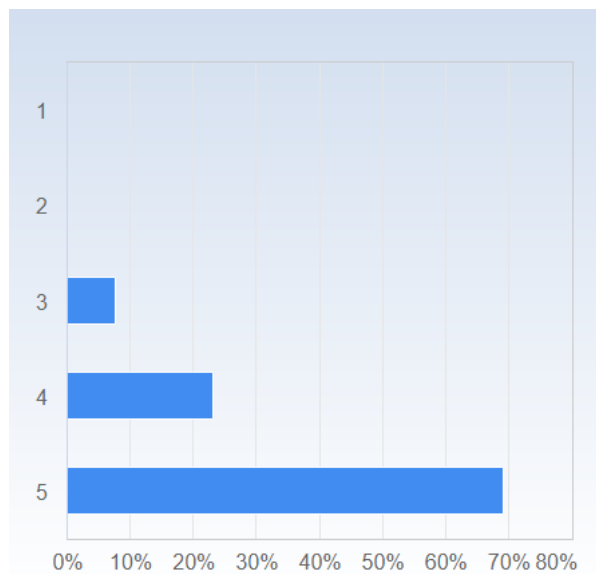
	Mean	Standard Deviation
Cool and warm Water Carbonate	4.6	0.7

Core exercises

Core exercises	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	3 (23.1%)
4	2 (15.4%)
5	8 (61.5%)
Total	13 (100.0%)
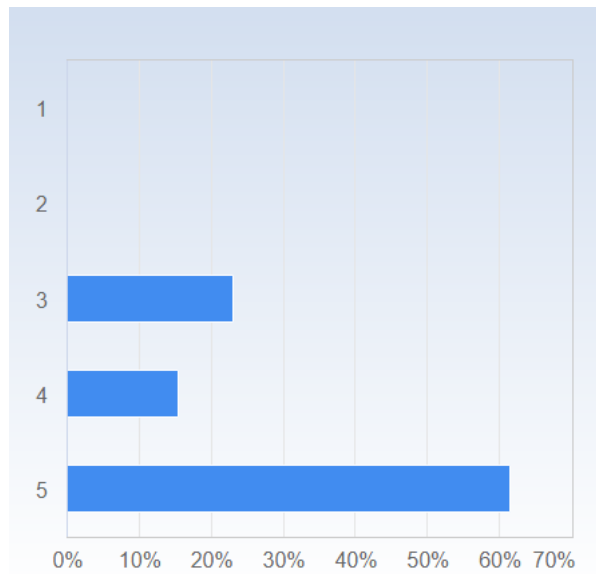
	Mean	Standard Deviation
Core exercises	4.4	0.9

Alluvial-Deltaic sediments

Alluvial-Deltaic sediments	Number of responses
1	0 (0.0%)
2	2 (15.4%)
3	3 (23.1%)
4	1 (7.7%)
5	7 (53.8%)
Total	13 (100.0%)
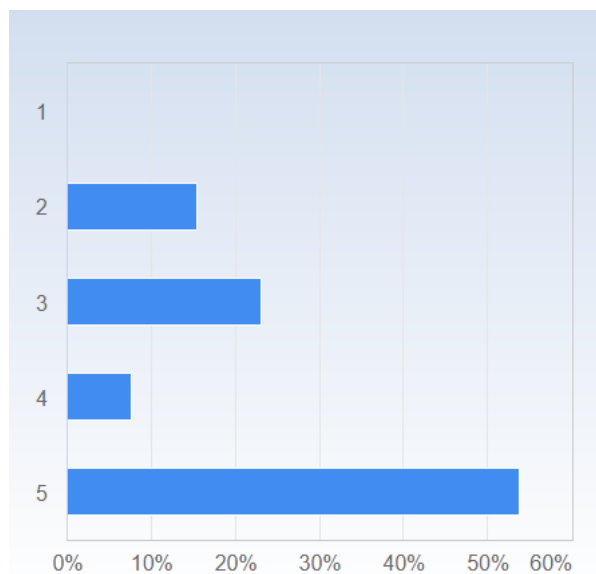
	Mean	Standard Deviation
Alluvial-Deltaic sediments	4.0	1.2

Geoenergy

Geoenergy	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (7.7%)
4	6 (46.2%)
5	6 (46.2%)
Total	13 (100.0%)
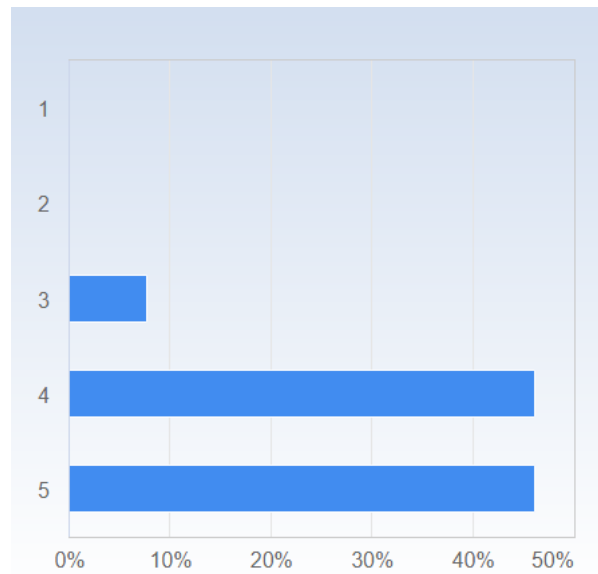
	Mean	Standard Deviation
Geoenergy	4.4	0.7

Proxies for paleoenvironmental changes

Proxies for paleoenvironmental changes	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (7.7%)
4	5 (38.5%)
5	7 (53.8%)
Total	13 (100.0%)
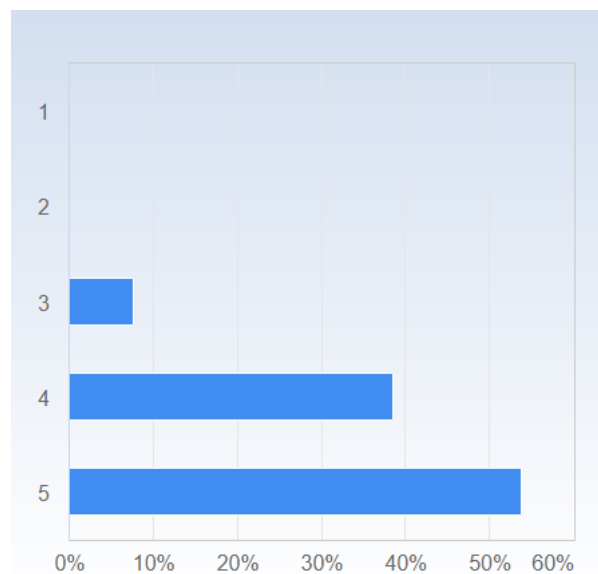
	Mean	Standard Deviation
Proxies for paleoenvironmental changes	4.5	0.7

Proxies for paleoenvironmental changes exercise

Proxies for paleoenvironmental changes exercise	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (7.7%)
4	6 (46.2%)
5	6 (46.2%)
Total	13 (100.0%)
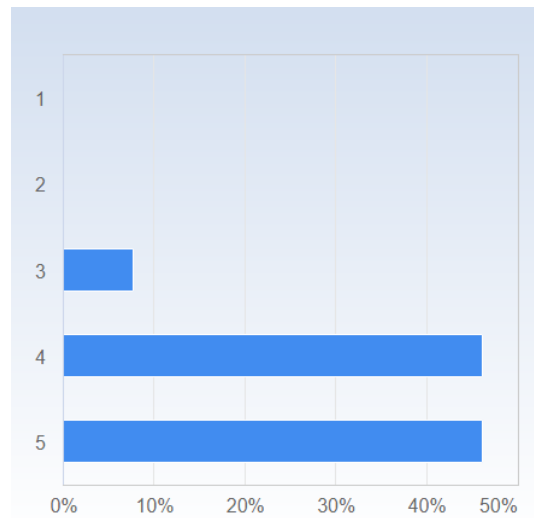
	Mean	Standard Deviation
Proxies for paleoenvironmental changes exercise	4.4	0.7

| Comments |
|---|
| Didnt really remember anything from alluvial-deltaic lecture, also felt a bit like everything siliciclastic were not really prioritized. The core exercises were a bit anxiety-inducing. I have almost no experience in looking at carbonate rocks and would have wanted more information on what to look for and how things look. |
| Some proxie lectures were a bit too basic. The first proxie exercise was not very pedagogical. |
| The alluvial-deltaic sediments lecture was very confusing, and the basin lecture too. otherwise the contents was great |
| The part about the proxies was great but it should be implemented into the myBasin project somehow. |
| I liked that we had lectures with different persons like Emma, Kristin and Anders. It was nice to get an impression of what people are working on. |

Excursions

Stevns Klint excursion

Stevns Klint excursion	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (7.7%)
5	12 (92.3%)
Total	13 (100.0%)
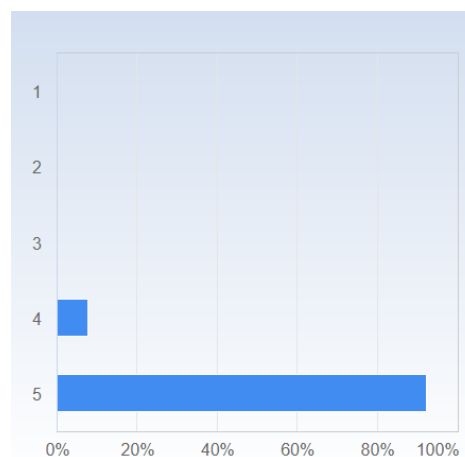
	Mean	Standard Deviation
Stevns Klint excursion	4.9	0.3

Continental-coastal deposits (Höganas basin) excursion

Continental-coastal deposits (Höganas basin) excursion	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	2 (15.4%)
4	4 (30.8%)
5	7 (53.8%)
Total	13 (100.0%)
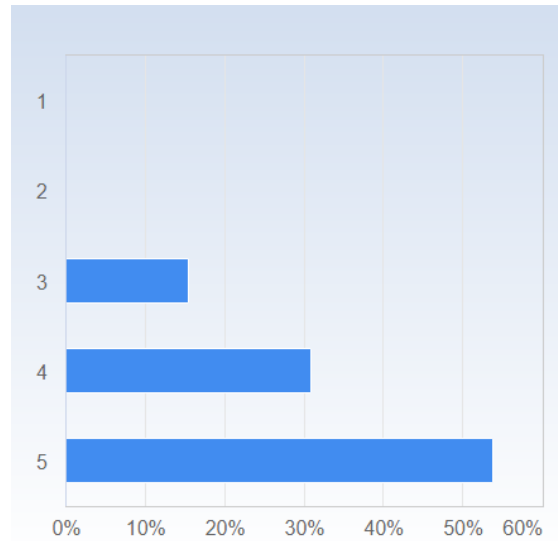
	Mean	Standard Deviation
Continental-coastal deposits (Höganas basin) excursion	4.4	0.8

Alps excursion

Alps excursion	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (7.7%)
5	12 (92.3%)
Total	13 (100.0%)
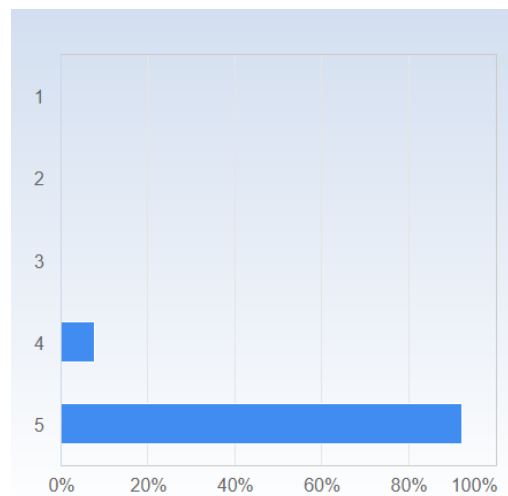
	Mean	Standard Deviation
Alps excursion	4.9	0.3

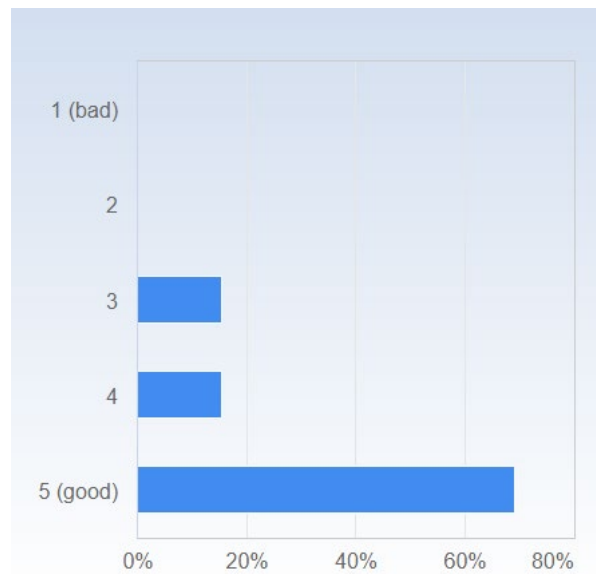| Comments |
| --- |
| The introduction or the guide for the Alps with the task to work through it, could have been given a couple days earlier. It was a lot of information to take in, in a day (on the weekend). |
| The Höganäs field trip felt squeezed in before the Alps field trip and took time from preparing for the big field trip. |
| We should have had clearer safety instructions and it would have been good if safety goggles had been used on all excursions where hammers are used. |
| The best experience ever had as a geology student |
| Super fun and excited!! |

My basin

My basin	Number of responses
1 (bad)	0 (0.0%)
2	0 (0.0%)
3	2 (15.4%)
4	2 (15.4%)
5 (good)	9 (69.2%)
Total	13 (100.0%)

	Mean	Standard Deviation
My basin	4.5	0.8

Comments
It is nice to work on your own thing and you feel like more of an expert when no one else knows anything about your basin. Also there was plenty of time to read and write.
The expectations of how long the presentation should be and how it is supposed to look like could have been given more clearly. The instruction for the written manuscript were really good.
It was alright. But a bit unclear at times
It was a fantastic way to finish of the course and implement our learnings.
First it felt like we didn't have enough time to work on it parallel with the lectures, but it turned out very well within the last weeks when we had time reserved only for the project
It is good to have peer review and common presentation series.
Good to go through a lot of basins around the world. Next year, 'Gulf of Thailand' should be one of a candidate :)
good

A sedimentological subject what you are missing :

| A sedimentological subject what you are missing : |
|---|
| I want to look at more sandstone! |
| It has been a lot of carbonates. A few more sandstones would have been nice. :) |
| Exercise with thin sections. |
| More sandstones! |
| I think it could be nice to study more about invertebrate fossil because we all struggled classify them during fieldtrip. |
| I can't think of any |

Good Teaching scale

The teaching staff of this course motivated me to do my best work.

The teaching staff of this course motivated me to do my best work.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (7.7%)
5	12 (92.3%)
Total	13 (100.0%)
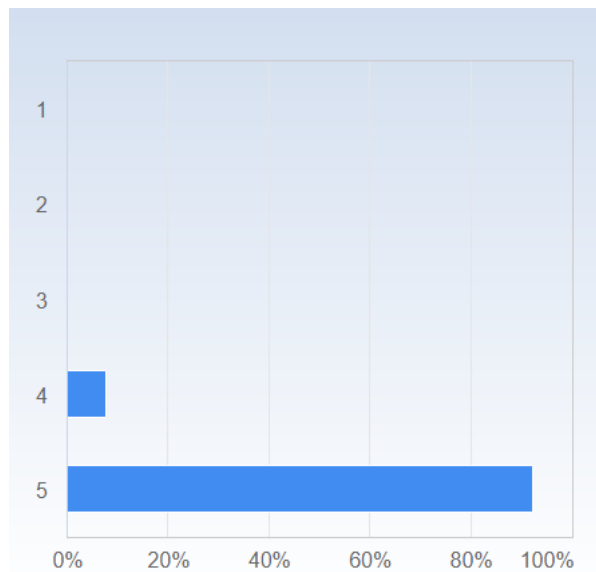
	Mean	Standard Deviation
The teaching staff of this course motivated me to do my best work.	4.9	0.3

The teaching staff normally gave me helpful feedback and was sufficiently at my disposition if I needed

The teaching staff normally gave me helpful feedback and was sufficiently at my disposition if I needed	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (7.7%)
4	0 (0.0%)
5	12 (92.3%)
Total	13 (100.0%)
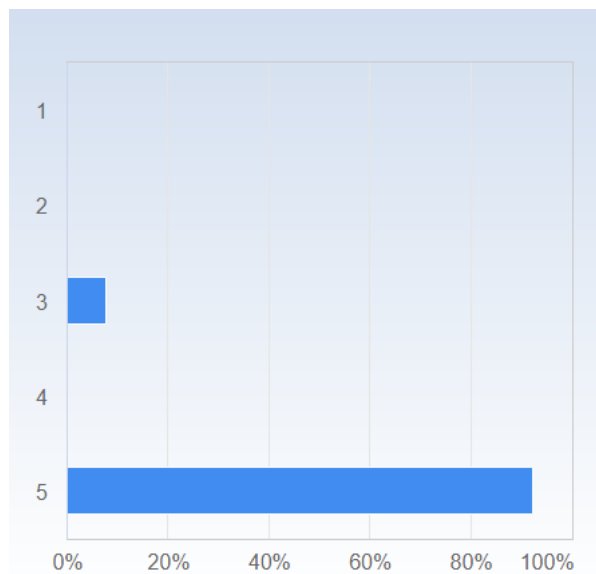
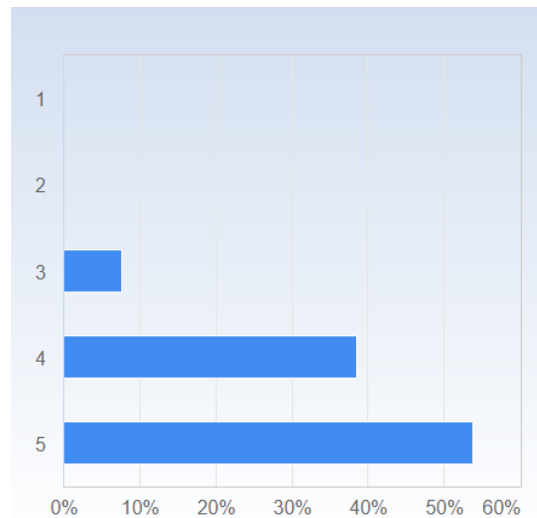|	Mean	Standard Deviation
The teaching staff normally gave me helpful feedback and was sufficiently at my disposition if I needed	4.8	0.6

The lectures have been understandable

The lectures have been understandable	Number of responses
1	1 (7.7%)
2	0 (0.0%)
3	2 (15.4%)
4	4 (30.8%)
5	6 (46.2%)
Total	13 (100.0%)
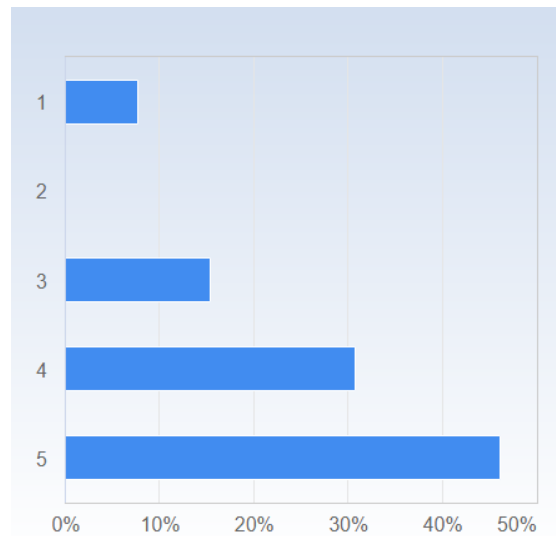
	Mean	Standard Deviation
The lectures have been understandable	4.1	1.2

The level of difficulties was adequate

The level of difficulties was adequate	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (7.7%)
4	5 (38.5%)
5	7 (53.8%)
Total	13 (100.0%)

	Mean	Standard Deviation
The level of difficulties was adequate	4.5	0.7

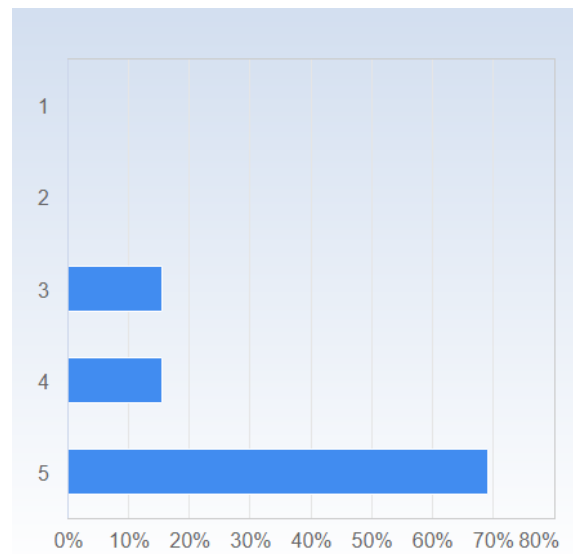| Comments: |
|---|
| its exaggerated, not exagregated |
| Some parts can have the difficulty increased. In general not a very difficult course. |
| Sometimes a bit confusing lectures -> fewer notes |
| Some lectures by Sylvain were a bit rushed. |
| Some unclear material where quite a lot of guesswork was involved to figure out what was expected. |
| The teachers have been kind and very willing to help |

Was the support material (cours hand-outs, litterature, instructions) sufficient ?

Was the support material (cours hand-outs, litterature, instructions) sufficient ?	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	2 (15.4%)
4	2 (15.4%)
5	9 (69.2%)
Total	13 (100.0%)

	Mean	Standard Deviation
Was the support material (cours hand-outs, litterature, instructions) sufficient ?	4.5	0.8

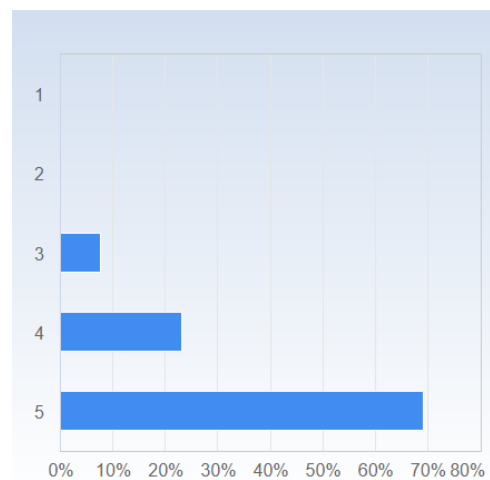| Comments |
|---|
| A hand out that wraps up diagenesis would have been good. |
| Excercise material could have been better explained |
| The instructions for myBasin were great. |
| For the most part. Sometimes I did not understand the powerpoints |

Working load and assesment criteria

How was the Schedule of the course

How was the Schedule of the course	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (7.7%)
4	3 (23.1%)
5	9 (69.2%)
Total	13 (100.0%)

	Mean	Standard Deviation
How was the Schedule of the course	4.6	0.7

| comments |
|---|
| It was good. Good amount of lectures and exercises. |
| Intense, but good! |
| A little too much time allocated for myBasin, but otherwise good. |
| Very packed and stressful at times also the labelling of "Självstudier" was followed by what you were expected to work with. This at times might not have been what would be the best to prioritise and it gave a false sense of security at times. Of course, it is also just a guideline but there is a tendency to take it at face value. |
| Only lab week that i think it was tough |
| It was okay, maybe the test should be done on the Monday instead of the Friday. it was quite stressful with the lectures and practise questions all the way into the last week. The workload is appropriate, not less not more its good |

Appropriate Workload
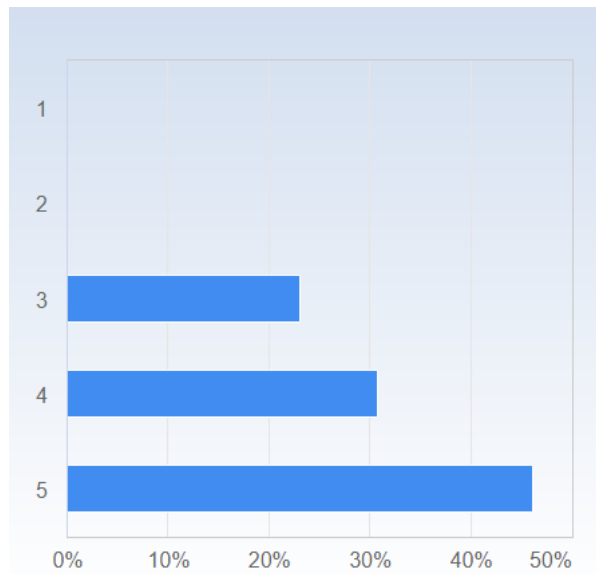
The workload was too heavy.

The workload was too heavy.	Number of responses
1	6 (46.2%)
2	2 (15.4%)
3	3 (23.1%)
4	2 (15.4%)
5	0 (0.0%)
Total	13 (100.0%)
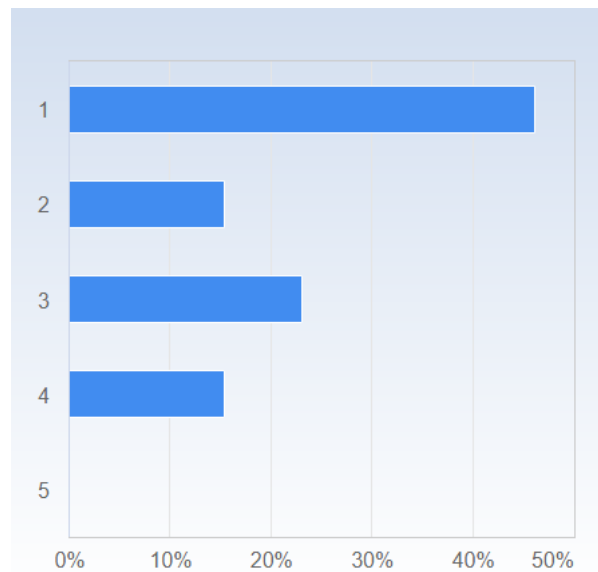
	Mean	Standard Deviation
The workload was too heavy.	2.1	1.2

I was generally given enough time to understand the things I had to learn.

I was generally given enough time to understand the things I had to learn.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	3 (23.1%)
4	4 (30.8%)
5	6 (46.2%)
Total	13 (100.0%)

	Mean	Standard Deviation
I was generally given enough time to understand the things I had to learn.	4.2	0.8

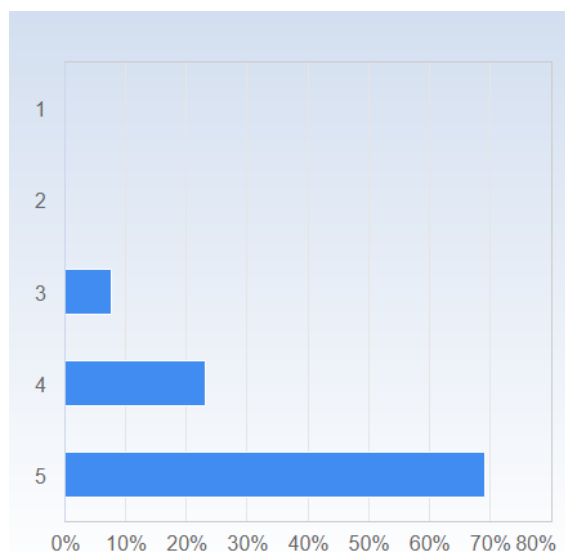**The weighing of the assessment criteria (exam 70%), core exercise report (10%), Mybasin project (20%) was appropriate**

The weighing of the assessment criteria (exam 70%), core exercise report (10%), Mybasin project (20%) was appropriate	Number of responses
1	0 (0.0%)
2	1 (8.3%)
3	3 (25.0%)
4	3 (25.0%)
5	5 (41.7%)
Total	12 (100.0%)
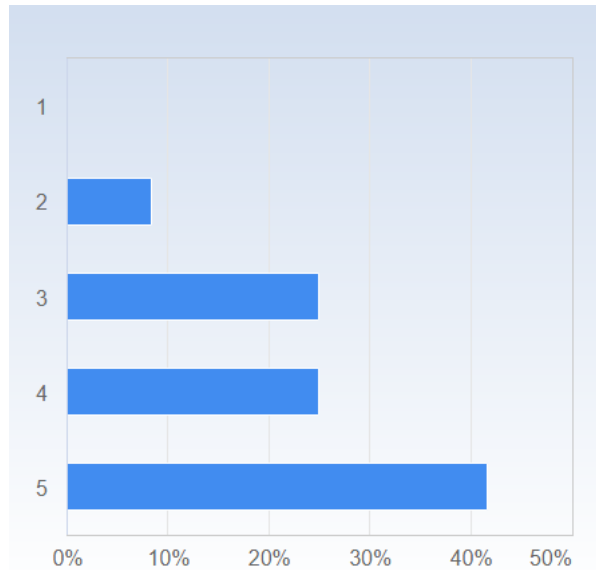
	Mean	Standard Deviation
The weighing of the assessment criteria (exam 70%), core exercise report (10%), Mybasin project (20%) was appropriate	4.0	1.0

Appropriate Assessment

The written exam was adapted to control the knowledge I gained during this course	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (7.7%)
4	3 (23.1%)
5	9 (69.2%)
Total	13 (100.0%)

	Mean	Standard Deviation
The written exam was adapted to control the knowledge I gained during this course	4.6	0.7

| Comments |
|---|
| Yes but it is too much at once and too much depends on it. |
| As i recall, we did not have any full cool water carbonate question on the exam, that's is missing. |
| Yes the assessment did go through topics we covered |

Generic Skills

The course developed my analytical and problem-solving skills

The course developed my analytical and problem-solving skills	Number of responses
1	0 (0.0%)
2	1 (7.7%)
3	2 (15.4%)
4	4 (30.8%)
5	6 (46.2%)
Total	13 (100.0%)
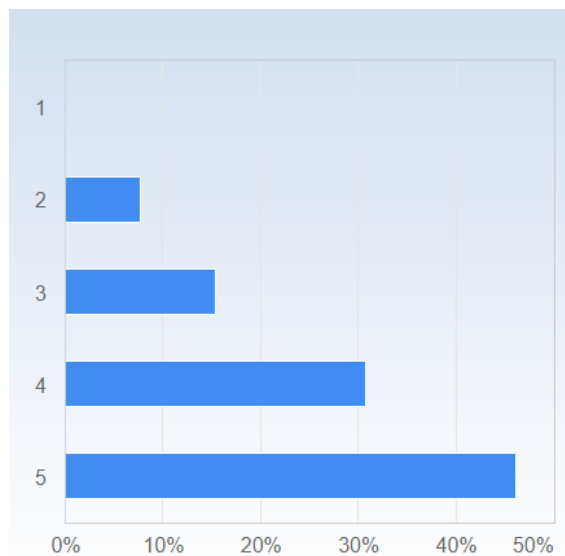
	Mean	Standard Deviation

The course developed my analytical and problem-solving skills	4.2	1.0

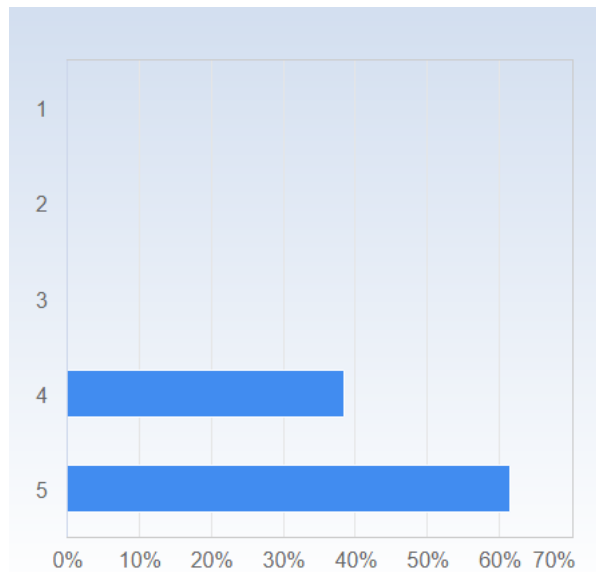## The course helped me develop my ability to work as a team member.

The course helped me develop my ability to work as a team member.	Number of responses
1	0 (0.0%)
2	1 (7.7%)
3	6 (46.2%)
4	0 (0.0%)
5	6 (46.2%)
Total	13 (100.0%)
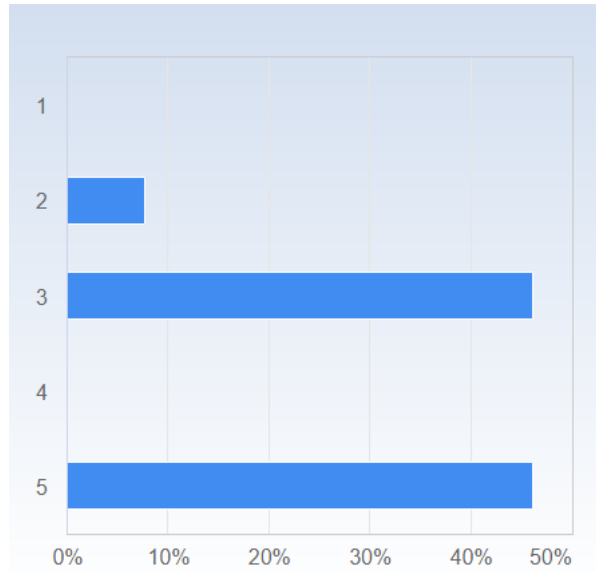
	Mean	Standard Deviation
The course helped me develop my ability to work as a team member.	3.8	1.1

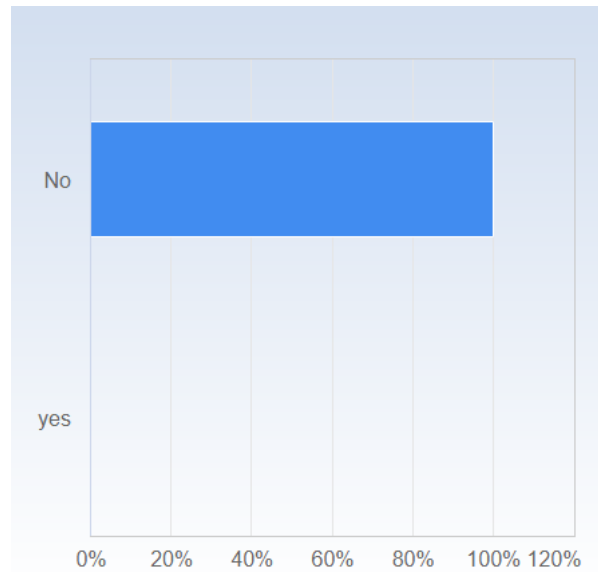## The course improved my skills in communication, in writing or in oral presentations

The course improved my skills in communication, in writing or in oral presentations	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	5 (38.5%)
5	8 (61.5%)
Total	13 (100.0%)

	Mean	Standard Deviation
The course improved my skills in communication, in writing or in oral presentations	4.6	0.5

Harrassment and discrimination

Have you experienced any form of disc-rimination, harassment or inappropriate behavior, victimising yourself or others, during the course? If so, feel free to elaborate.	Number of responses
No	13 (100.0%)
yes	0 (0.0%)
Total	13 (100.0%)

	Mean	Standard Deviation
Have you experienced any form of discrimination, harassment or inappropriate behavior, victimising yourself or others, during the course? If so, feel free to elaborate.	2.0	0.0

Kommentar
Absolutely not! The atmosphere and chemistry was great!

Other comments

Other comments
Overall a very well structured course!
Great course in general. Probably the best I've taken in LU for soon to be 4 years
Thank you for an amazing course Sylvain and Mikael!
Thank you for this realy good course!
I think the institution should set up a clear geochemistry course dealing with proxies, redox etc.
Overall I think this course is very good and fun:) Thank you for the hard working of all lectures.
I think the grading should be exam 50-60% excursion 20-25% my basin 20-25% Thank you professors :)