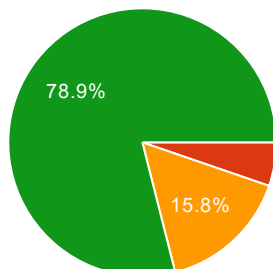


# 19 responses

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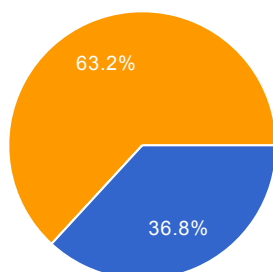
## Summary

In what degree do you use/will you use (e.g. for the exam) the electronic material in the course (Youtube channel, video lectures, pdf notes)



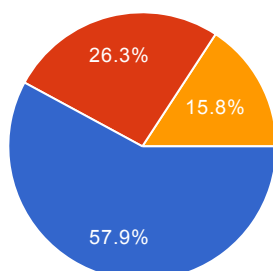
I don't use them	0	0%
I use them very little	1	5.3%
I use them to some extent	3	15.8%
I use them often	15	78.9%

Taking into account that the exercises account for 40% of the grade, do you consider that the exercises were:



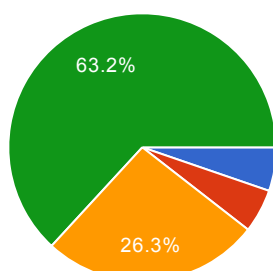
Too many	7	36.8%
Too few	0	0%
Just ok	12	63.2%

Are you satisfied with the overall support provided by the student assistants (availability, domain of the topics, etc.)?



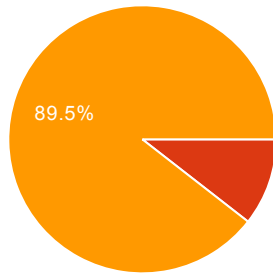
Yes	11	57.9%
No	5	26.3%
More or less	3	15.8%

How strongly do you agree with the following statement: " the home assignments help me to practice, learn and develop further the topics discussed in class and help me to develop my problem solving skills"



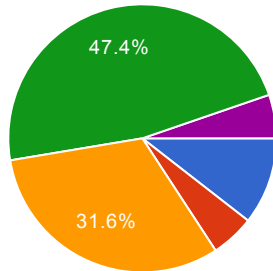
Completely disagree	1	5.3%
Somewhat disagree	1	5.3%
Somewhat agree	5	26.3%
Completely agree	12	63.2%

**The amount of exercises solved in class were:**



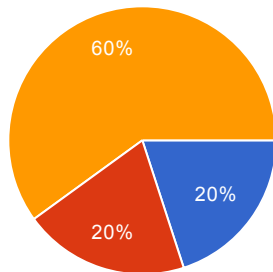
Too many	0	0%
Too few	2	10.5%
Just ok	17	89.5%

**When solving exercises during class, what statement describes best your situation:**



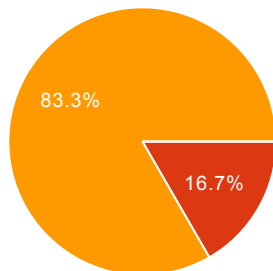
It was very difficult to follow, I just viewed the video afterwards to solve the homework	2	10.5%
It was very difficult to follow, I just shut down during class exercises	1	5.3%
It was a bit difficult to follow. The pace should be slower.	6	31.6%
It was ok to follow and very useful	9	47.4%
Other	1	5.3%

**Only for students taking the course from abroad: Would you recommend to future students that are planning to take an exchange year abroad to take this course?**



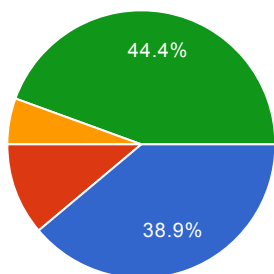
Yes	1	20%
No	1	20%
Other	3	60%

**Please choose the statement that reflects best your opinion about the content of the course:**



The course repeats unnecessarily many topics that were taught earlier during my studies	0	0%
The course repeats some topics but has many new and interesting topics	3	16.7%
The course content contributes positively to my education and development as a petroleum engineer	15	83.3%
Other	0	0%

**Flipped classroom is a particular method of teaching that consists on: Short video lectures are viewed by students at home before the class session, while in-class time is devoted to exercises, projects, or discussions. What statements describes best your opinion about implementing this kind of teaching in our course?**



Excellent, I think it is a great idea	7	38.9%
I don't like it, I still prefer traditional lecturing	2	11.1%
I don't like it, i will forget to read or watch lectures before the class	1	5.6%
what about 20% flipped classroom and 80% traditional lecturing?	8	44.4%
Other	0	0%

### What can be improved in future courses

less long exercises (too many hours spend on each even if it was very interesting)

More excises on use of software such as prosper and GAP

Exercises were useful and open for further research and innovative solutions, but evaluation of exercises (By student assistants) were totally based on the solutions they had. I suggest that student assistants should be more open towards innovative solutions, and ask students to explain about any particular answer which is not in accordance with the solution (They have)

- More class examples (with software) and guest lectures

Exercise burden too high (easily 2- or 3 times as heavy as other courses). Reduce need for report (takes a lot of time as it counts 40% but generally gives very little learning)

Study abroad deadlines could be more flexible

The course is too much demanding, I think the content is too big

+

What about changing the grading of the exercises to 50-or even 60%? It is really time consuming, and does not reflect the amount of work into percentage of grading.

Better and faster feedback on exercises. When you demand delivery on a strict deadline I expect feedback within reasonable time so that I can Improve for the next delivery. This did not happen, and the same type of mistakes was therefore repeated for several deliveries.

Perhaps talk a little bit slower, because sometimes it is a bit too fast.

Create exercises which require less time to do/possible to do with all PCs. As I have a mac, and did not have access to a windows computer most of the time, the exercises were extremely time consuming and difficult as the solver function did not work.

May be there is not enough time to do so, but it would be great if the professor can allocate some time to teach the students some of the basics of writing a VBA code. The students can later build on this and develop some programming skills. I think having this VBA code writing skill is quite important, because usually engineers deal with a lot of data during their professional lives and it is important to find a way to handle that amount of data in an organized manner.

Teaching the students VBA code basics is probably not the intention of the course, but it can be a part of a home exercise. It would allow them to learn some coding with hands-on exercise.

The course was great delivered, but the student assistants some times were not well prepared during the exercise sessions. the student assistants should be well prepared when attending the exercise session.

It would be nice if the homeworks had some pattern in the deadlines, since it was hard to plan things when we did not know what time the next homework would be due. The homeworks are timeconsuming but you learn a lot, maybe they where a bit more time consuming since I was

taking the course alone abroad and I had to do a lot of trial and error on my own. It would also be nice if the homeworks was corrected along the way, so we could know if we for example had important things missing in the report etc before delivering a new homework. But I understand that the TA's have a lot to do, since the homeworks and reports are pretty long. Just a comment on the last homework/project: I don't like when several alternatives are given for solving a problem (the two excel sheets in problem 1). I had done the other method than the TA and the friends I was asking about the problem, and I ended up redoing with the other method since I didn't get answers to my problem.

Reduce the number of tasks and cases in the exercises. This would reduce the time used for solving the exercises, but still keep the learning outcome.

Maybe lecture notes could be provided beforehand and some topics would be discussed in more detail in the class.

Exercises reports have a lot to do. Some parts should be removed. e.g discussion and analysis parts.

Flipped classroom seems to be a good option to improve future courses. Video lectures should be shorter than current videos (+2hrs)

### **Please provide any relevant general comments**

Is a good course, it make enjoy Petroleum Engineering

I am totally satisfied with the course contents and teaching mode, and highly appreciate efforts of Professor Milan Stanko for his efforts and dedication towards this course.

Very useful and interesting course. Only good impressions!

Interesting and well executed course!

I like the classroom exercises.

I learned a lot, I was not good in excel but the course helped me to improve on how to use excel!

The videos made it possible to follow the course from abroad, which was very good. They were informative and well structured. Since we could not attend the excercise sessions, we could not know how the student assistants wanted the reports to be written and delivered. We could not know if our answers made sense, and that made it harder to deliver good answers. There was also problems with external software (Hysys) that we could do little to nothing about without Orakeltjenesten, something the student assistants did not seem to consider. All together a very good course I wish I could have had when in Trondheim. Decent and well intended attempts to make it work for those abroad, but it did not work 100%.

Milan is a great teacher. He is very passionate about teaching students as much as he can. It is obvious that he puts a lot of effort into developing the course content and especially the exercises. We do acknowledge his efforts and want to thank him for the great work he has done during the course.

Great with video lectures, makes it possible to take the course abroad. I like that examples relevant to the homeworks are done in class, that is very helpful when you take the course abroad and help sometimes is a bit limited due to timedifference etc. A big thanks to the TA's, they have been offering me skype-sessions the same weeks as the regular exercise-sessions and have also answered questions by e-mail.

The professor is teaching very well. He try to give some prerequisite knowledge or skills to get all the students in the same track. However number of questions in the last exercise were too many.

### **Number of daily responses**

