



LUND UNIVERSITY  
Faculty of Science

Center for Mathematical Sciences  
Division of Mathematics and Numerical  
Analysis

## Course Analysis for NUMA41 Numerical Analysis – Basic Course, term HT2022

### Course Information

**Lecturer:** Robert Klöfkorn

**Teaching assistants:** Johannes Kasimir

**Number of students:**

15 newly registered and 6 re-registered.

4 students answered the course evaluation, all of them are enrolled in the Mathematics program.

### Examination

**Project:** 10 students passed.

**Oral examination:** 9 students passed.

**Final grades:**

In all, 9 students, including 2 re-registered students, have got their final grade.

3 passed with distinction.

6 passed.

### Course Evaluation

**Summary of student's answers:**

Overall, the students that answered the survey seemed content with the course.

**Teachers' comments:**

The lectures were given on campus using mostly the blackboard and sometimes slides. The participation in lectures was satisfactory but the participation in the training exercises was to low.

**Changes from the previous course realization:**

There was some minor changes from the previous instance, mainly due to change of teacher.

**Suggestions for the next course realization:**

The participation in the training exercise should be improved to help the students to better prepare for the final project.



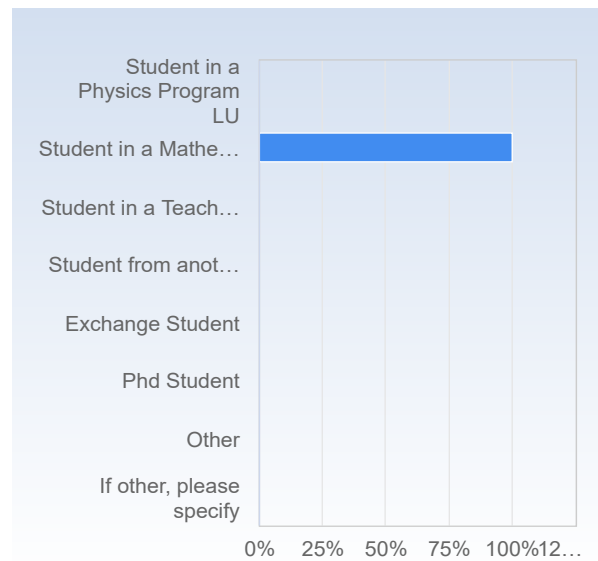
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# Numerical Analysis: Basic Course, Autumn 2022

Respondents: 22  
Answer Count: 4  
Answer Frequency: 18.18%

## Your role in the course?

Your role in the course?	Number of responses
Student in a Physics Program LU	0 (0.0%)
Student in a Mathematics Program LU	4 (100.0%)
Student in a Teacher's Program LU	0 (0.0%)
Student from another Swedish university	0 (0.0%)
Exchange Student	0 (0.0%)
Phd Student	0 (0.0%)
Other	0 (0.0%)
If other, please specify	0 (0.0%)
Total	4 (100.0%)



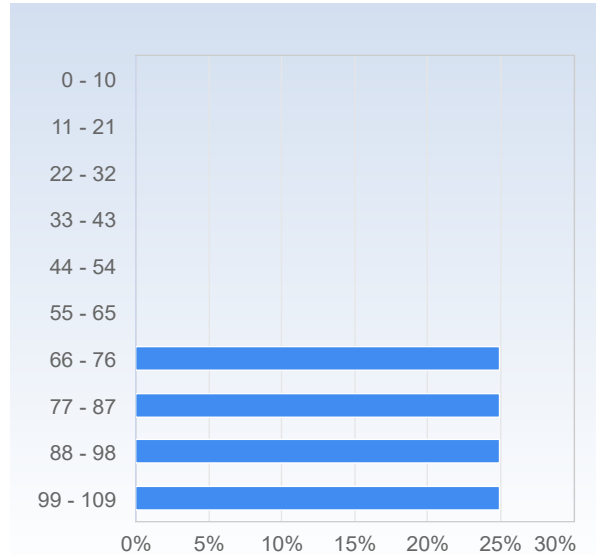
Your role in the course?	Mean	Standard Deviation
Your role in the course?	2.0	0.0



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## Your participation in the lectures.

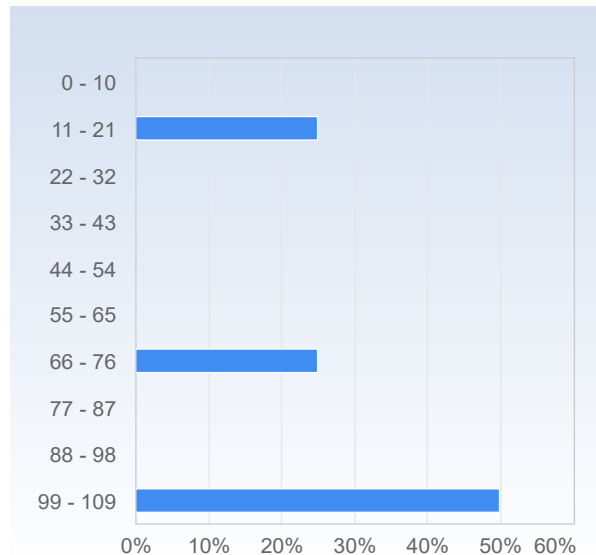
Your participation in the lectures.	Number of responses
0 - 10	0 (0.0%)
11 - 21	0 (0.0%)
22 - 32	0 (0.0%)
33 - 43	0 (0.0%)
44 - 54	0 (0.0%)
55 - 65	0 (0.0%)
66 - 76	1 (25.0%)
77 - 87	1 (25.0%)
88 - 98	1 (25.0%)
99 - 109	1 (25.0%)
Total	4 (100.0%)



Your participation in the lectures.	Mean	Standard Deviation
	85.0	12.9

## Your participation in the training exercises.

Your participation in the training exercises.	Number of responses
0 - 10	0 (0.0%)
11 - 21	1 (25.0%)
22 - 32	0 (0.0%)
33 - 43	0 (0.0%)
44 - 54	0 (0.0%)
55 - 65	0 (0.0%)
66 - 76	1 (25.0%)
77 - 87	0 (0.0%)
88 - 98	0 (0.0%)
99 - 109	2 (50.0%)
Total	4 (100.0%)



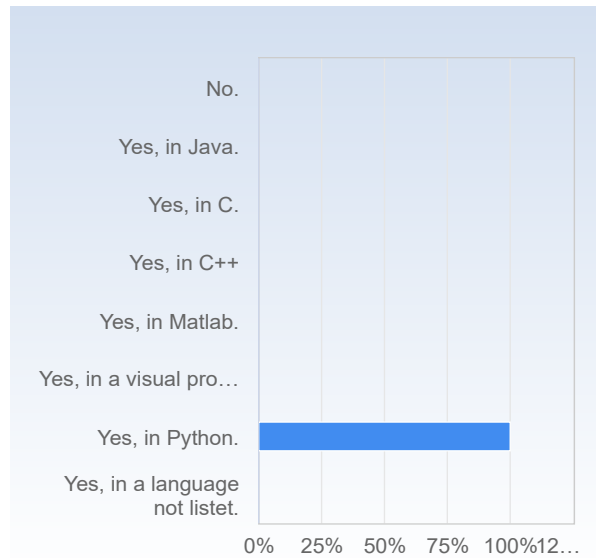
Your participation in the training exercises.	Mean	Standard Deviation
	73.8	37.7



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## Have you ever have written a computer program before the course start? (Please give the most relevant answer)

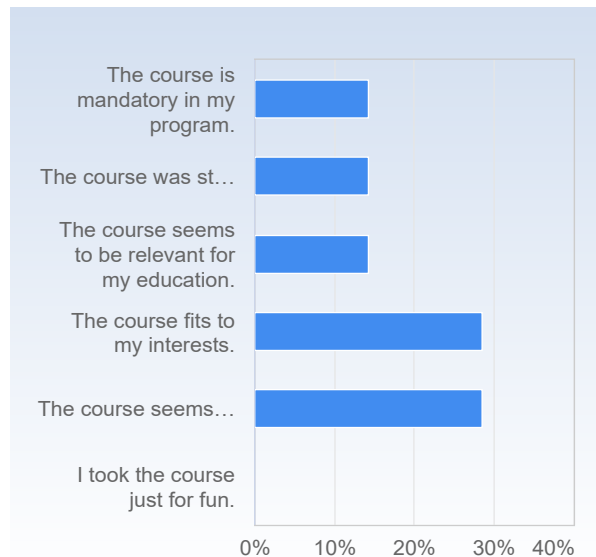
Have you ever have written a computer program before the course start? (Please give the most relevant answer)	Number of responses
No.	0 (0.0%)
Yes, in Java.	0 (0.0%)
Yes, in C.	0 (0.0%)
Yes, in C++	0 (0.0%)
Yes, in Matlab.	0 (0.0%)
Yes, in a visual programming language, like Snap! .	0 (0.0%)
Yes, in Python.	4 (100.0%)
Yes, in a language not listet.	0 (0.0%)
Total	4 (100.0%)



	Mean	Standard Deviation
Have you ever have written a computer program before the course start? (Please give the most relevant answer)	7.0	0.0

## Why did you sign up for the course? (several answers possible)

Why did you sign up for the course? (several answers possible)	Number of responses
The course is mandatory in my program.	1 (25.0%)
The course was strongly recommended in my program.	1 (25.0%)
The course seems to be relevant for my education.	1 (25.0%)
The course fits to my interests.	2 (50.0%)
The course seems to improve my chances on the work market.	2 (50.0%)
I took the course just for fun.	0 (0.0%)
Total	7 (175.0%)



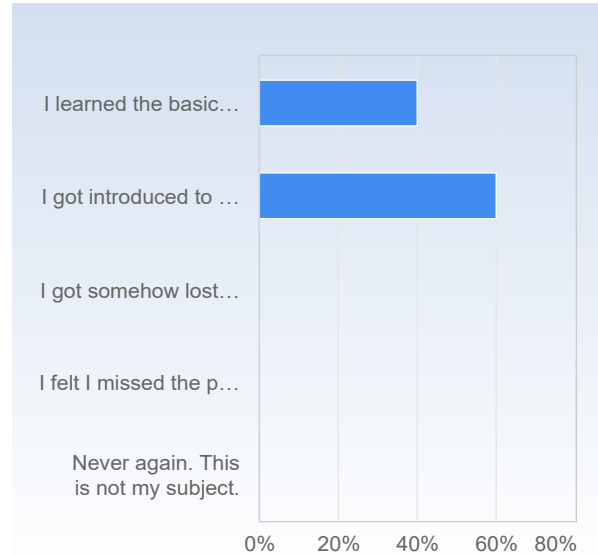
	Mean	Standard Deviation
Why did you sign up for the course? (several answers possible)	3.4	1.5



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## Now that the lectures are done, my impression is.....

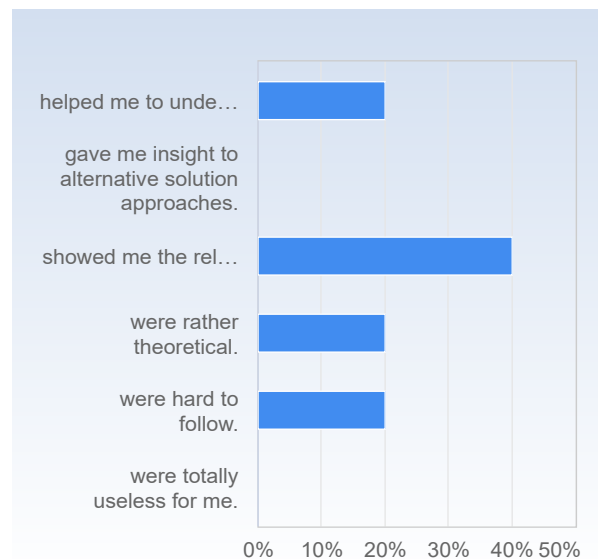
Now that the lectures are done, my impression is.....	Number of responses
I learned the basics of numerical analysis and I feel I can manage to apply this knowledge in mathematics and physics.	2 (50.0%)
I got introduced to the topic of numerical analysis but I need to dive deeper into the subject to fully understand all content of the course.	3 (75.0%)
I got somehow lost during the course, but I think I will catch up.	0 (0.0%)
I felt I missed the point with this course and will retake it.	0 (0.0%)
Never again. This is not my subject.	0 (0.0%)
<b>Total</b>	<b>5 (125.0%)</b>



Now that the lectures are done, my impression is.....	Mean	Standard Deviation
	1.6	0.5

## The lectures ....

The lectures ....	Number of responses
helped me to understand concepts and details.	1 (25.0%)
gave me insight to alternative solution approaches.	0 (0.0%)
showed me the relevance of numerical mathematics and programming in mathematics /physics.	2 (50.0%)
were rather theoretical.	1 (25.0%)
were hard to follow.	1 (25.0%)
were totally useless for me.	0 (0.0%)
<b>Total</b>	<b>5 (125.0%)</b>



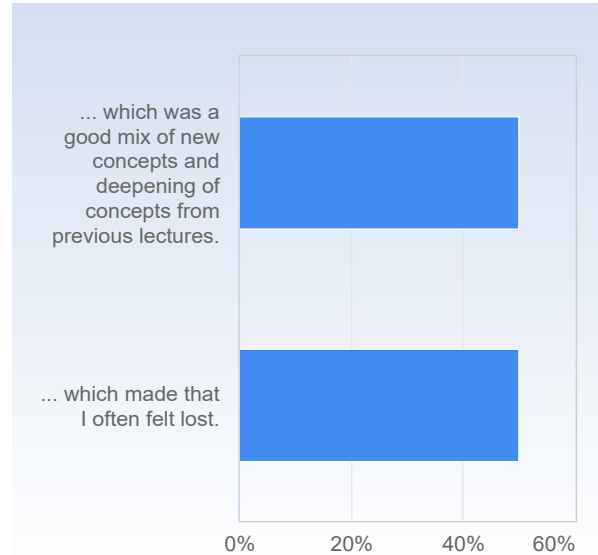
The lectures ....	Mean	Standard Deviation
	3.2	1.5



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## The material used during lectures was ordered in a way ...

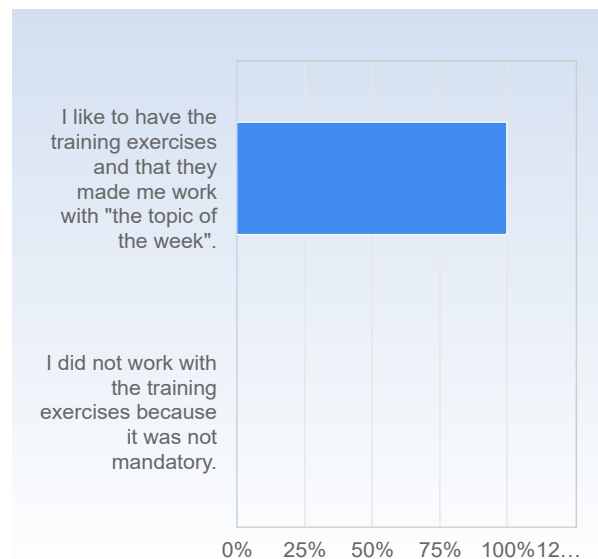
The material used during lectures was ordered in a way ...	Number of responses
... which was a good mix of new concepts and deepening of concepts from previous lectures.	2 (50.0%)
... which made that I often felt lost.	2 (50.0%)
Total	4 (100.0%)



The material used during lectures was ordered in a way ...	Mean	Standard Deviation
	1.5	0.6

## Trainings exercises

Trainings exercises	Number of responses
I like to have the training exercises and that they made me work with "the topic of the week".	4 (100.0%)
I did not work with the training exercises because it was not mandatory.	0 (0.0%)
Total	4 (100.0%)



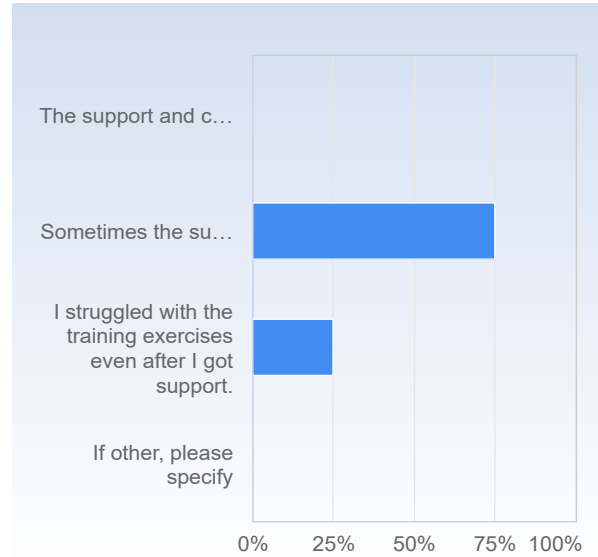
Trainings exercises	Mean	Standard Deviation
	1.0	0.0



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## Support

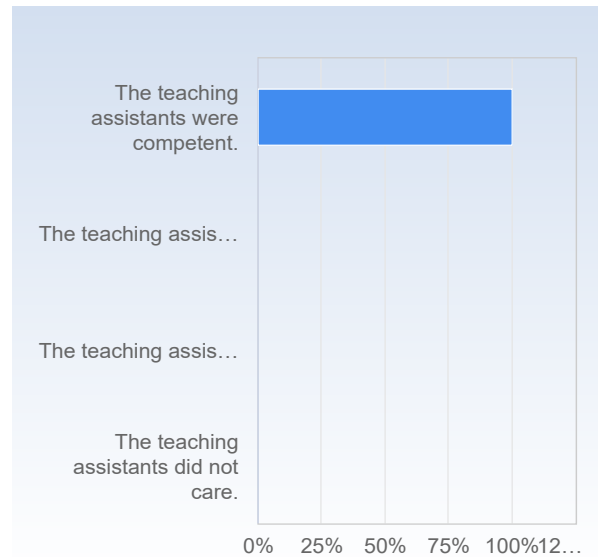
Support	Number of responses
The support and comments for submitted training exercises were very helpful.	0 (0.0%)
Sometimes the support and comments for submitted training exercises were helpful.	3 (75.0%)
I struggled with the training exercises even after I got support.	1 (25.0%)
If other, please specify	0 (0.0%)
<b>Total</b>	<b>4 (100.0%)</b>



	Mean	Standard Deviation
Support	2.2	0.5

## Competence

Competence	Number of responses
The teaching assistants were competent.	3 (100.0%)
The teaching assistant sometimes could not answer but found another one to help.	0 (0.0%)
The teaching assistants tried there best but gave me often wrong answers.	0 (0.0%)
The teaching assistants did not care.	0 (0.0%)
<b>Total</b>	<b>3 (100.0%)</b>



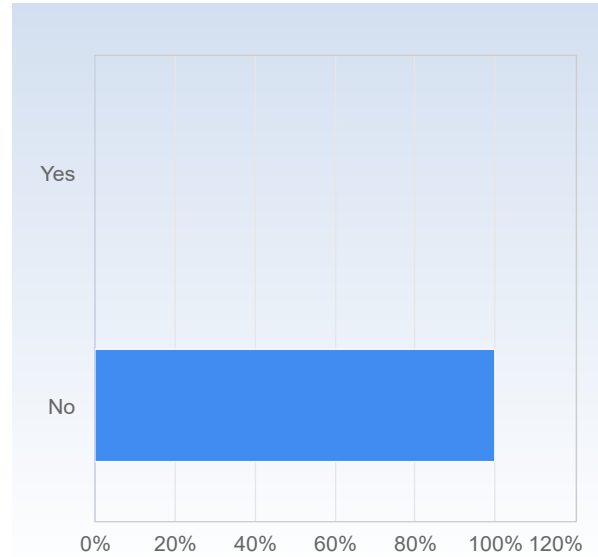
	Mean	Standard Deviation
Competence	1.0	0.0



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## Taining exercises. I worked in a group.

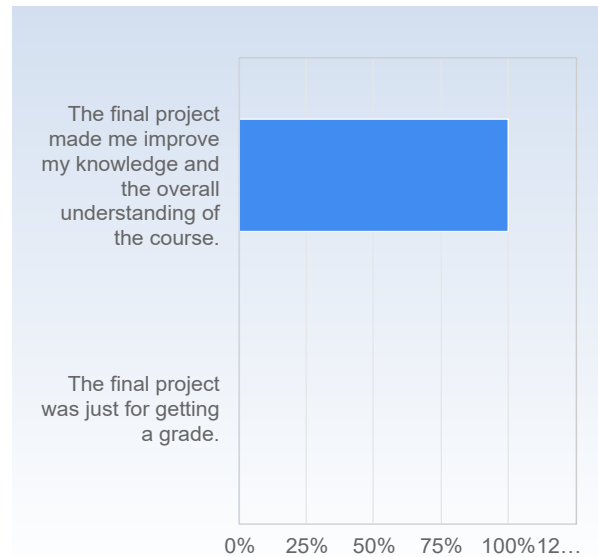
Taining exercises. I worked in a group.	Number of responses
Yes	0 (0.0%)
No	4 (100.0%)
Total	4 (100.0%)



	Mean	Standard Deviation
Taining exercises. I worked in a group.	2.0	0.0

## Final project

Final project	Number of responses
The final project made me improve my knowledge and the overall understanding of the course.	4 (100.0%)
The final project was just for getting a grade.	0 (0.0%)
Total	4 (100.0%)



	Mean	Standard Deviation
Final project	1.0	0.0

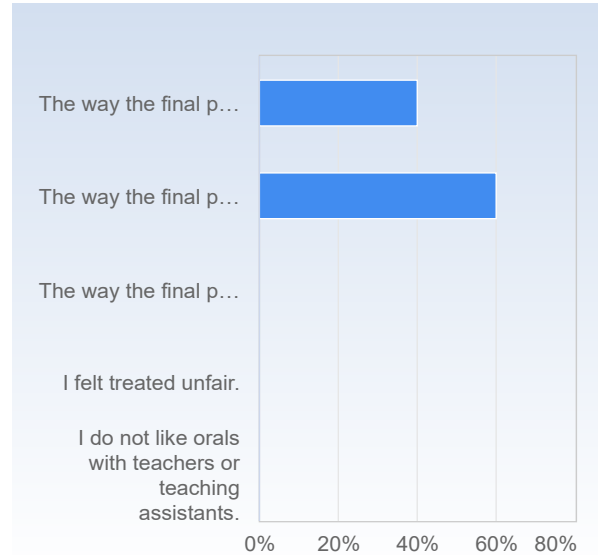




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## The project presentation.

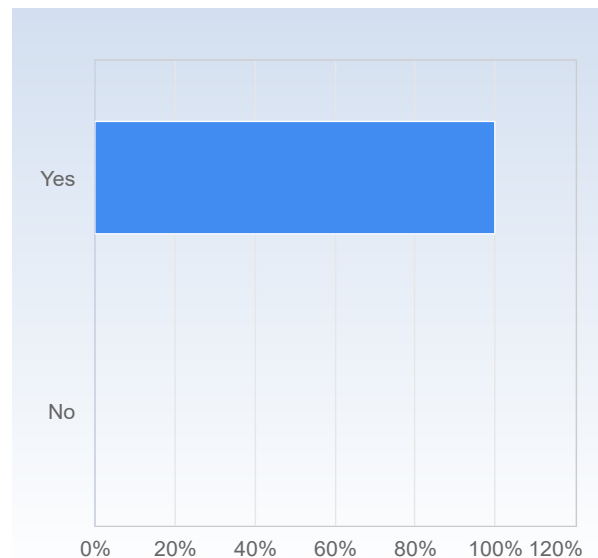
The project presentation.	Number of responses
The way the final project was presented gave me a chance to get extra feedback.	2 (50.0%)
The way the final project was presented gave me a chance to show and test my knowledge.	3 (75.0%)
The way the final project was presented did not match to my effort I put into this work.	0 (0.0%)
I felt treated unfair.	0 (0.0%)
I do not like orals with teachers or teaching assistants.	0 (0.0%)
Total	5 (125.0%)



The project presentation.	Mean	Standard Deviation
	1.6	0.5

## I found it helpfull to work in groups for the training exercises and final project

I found it helpfull to work in groups for the training exercises and final project	Number of responses
Yes	2 (100.0%)
No	0 (0.0%)
Total	2 (100.0%)



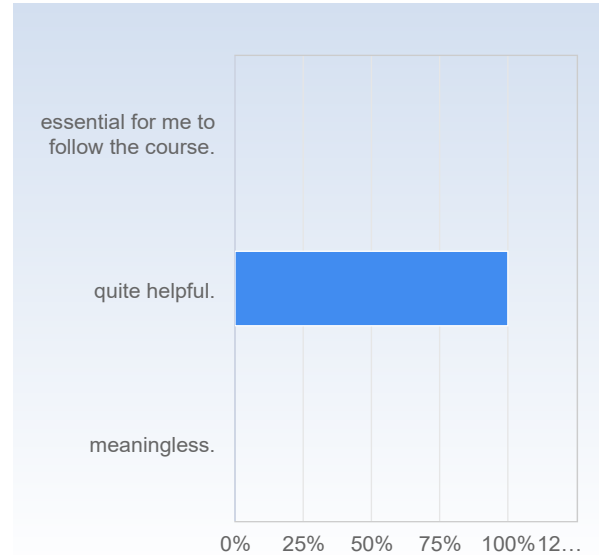
I found it helpfull to work in groups for the training exercises and final project	Mean	Standard Deviation
	1.0	0.0



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## Course material. Blackboard presentation and slides...

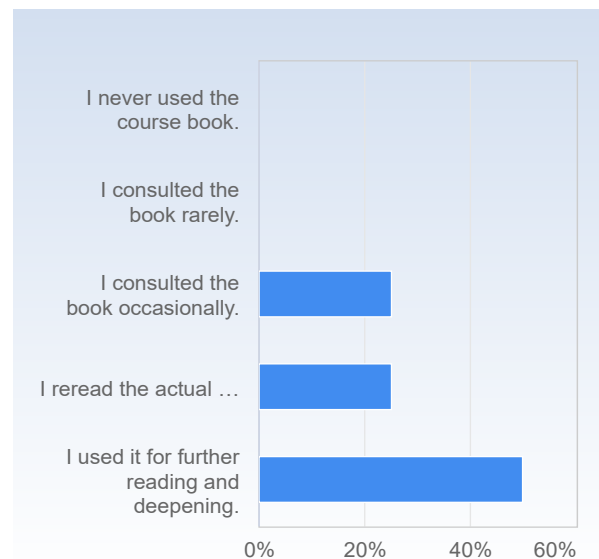
Course material. Blackboard presentation and slides...	Number of responses
essential for me to follow the course.	0 (0.0%)
quite helpful.	4 (100.0%)
meaningless.	0 (0.0%)
Total	4 (100.0%)



Course material. Blackboard presentation and slides...	Mean	Standard Deviation
Course material. Blackboard presentation and slides...	2.0	0.0

## The course book.

The course book.	Number of responses
I never used the course book.	0 (0.0%)
I consulted the book rarely.	0 (0.0%)
I consulted the book occasionally.	1 (25.0%)
I reread the actual sections of the lecture in the course book.	1 (25.0%)
I used it for further reading and deepening.	2 (50.0%)
Total	4 (100.0%)



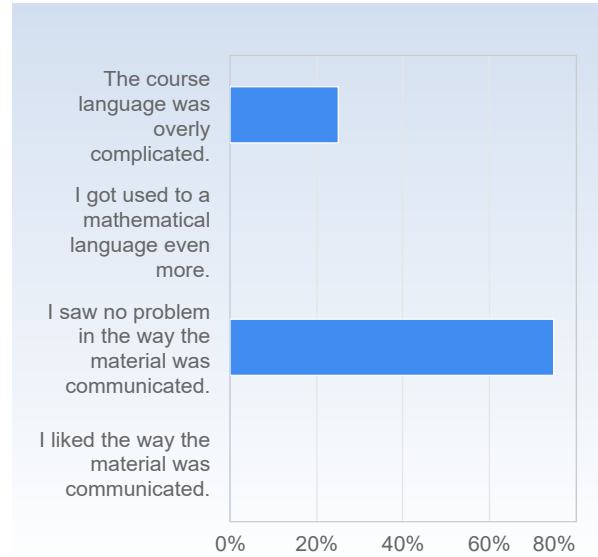
The course book.	Mean	Standard Deviation
The course book.	4.2	1.0



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## Course style and language

Course style and language	Number of responses
The course language was overly complicated.	1 (25.0%)
I got used to a mathematical language even more.	0 (0.0%)
I saw no problem in the way the material was communicated.	3 (75.0%)
I liked the way the material was communicated.	0 (0.0%)
Total	4 (100.0%)



	Mean	Standard Deviation
Course style and language	2.5	1.0