



LUND UNIVERSITY
Faculty of Science

Centre for Mathematical Sciences
Division of Mathematics and Numerical Analysis

Course Analysis for MATA04 Mathematics for scientists 2, Autumn 2023

Course Information

Lecturer: Evgeniy Lokharu

Teaching assistants: Stefano Böhmer

Number of students: 10

3 students answered the course evaluation, 10 of them are enrolled on program name.

Examination

Project: 9 students passed.

Written examination: 5 students passed.

- Ordinary examination 10/01 2023: 7 students participated and 4 of them passed.
- Resit examination 27/01 2023: 4 students participated and 1 of them passed.

Final grades:

0 passed with distinction.

5 passed.

Course Evaluation

Summary of student's answers:

Only 3 students answered the questionnaire with a very positive feedback. Some of the comments are:

“The teachers, Evgeniy and Stefano. They are both very good at teaching, and are very patient and good at explaining the matter in different ways. Another thing I found beneficial was the low number of classmates, meaning everyone could get help with questions during the lectures and seminars. Furthermore, I did like the one time where Stefano invited us up to the black board to solve exercises (or rather present our solution) so we could discuss it further if needed.

I really like how in the morning there are lectures, and in the afternoon, there are seminars. The knowledge gained in the morning can be effectively applied during the practice sessions in the afternoon. The teachers responsible for the lectures and seminars are both very professional and friendly. Initially, I was afraid to ask questions, but now I have learned a lot through asking questions because the teachers welcome your inquiries. We are all very grateful to both of them.”

Student comments on what shall be improved:

“The course is VERY intense, which had a stressing factor. Furthermore, the course encompassed a few topics, like definitions of subspaces, and vector valued functions, which I didn't see the point in covering, since it didn't seem relevant for the exam (according to what the extra problem sheet given before the exam encompassed).

The course should be less intense (either cover fewer topics or stretch over a longer period of time), and the lectures could follow the book's notation more closely, so when studying for the exam you wouldn't see a bunch of seemingly "new" things.

I'm puzzled because in the math class, we were assigned programming assignments, yet we haven't taken any programming lessons. I find it challenging because I lack the basic knowledge of programming. Moreover, I've only seen the teacher who checks the programming assignments once, making it even more difficult for me.”

Teachers' comments:

We agree with the students that the course is very intense. The way it was taught worked well. That is with lectures in the morning followed by a seminar during the afternoon, where students were offered to practice with problems and topics discussed during the lecture. With a such intense program it is almost impossible to prepare for seminars in advance, as it is usually done.

Changes from the previous course realisation:

This was the first iteration.

Suggestions for the next course realisation:

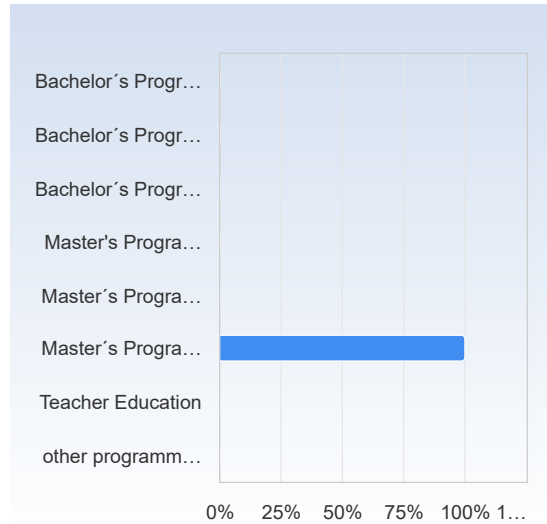
For such intense courses it is better to have a written by the department lecture notes with all problems included and discussed, rather than to follow different books. This would help students a lot. But will also require a lot of time to prepare for such notes.

Course evaluation for MATA04 Autumn 2023

Answer Count: 4

I have studied this course as part of

I have studied this course as part of	Number of responses
Bachelor's Programme in Mathematics	0 (0.0%)
Bachelor's Programme in Physics, Theoretical Physics, Astronomy	0 (0.0%)
Bachelor's Programme, other specialization	0 (0.0%)
Master's Programme in Mathematics	0 (0.0%)
Master's Programme in Mathematical Statistics	0 (0.0%)
Master's Programme, other specialization	3 (100.0%)
Teacher Education	0 (0.0%)
other programme or as stand alone course	0 (0.0%)
Total	3 (100.0%)

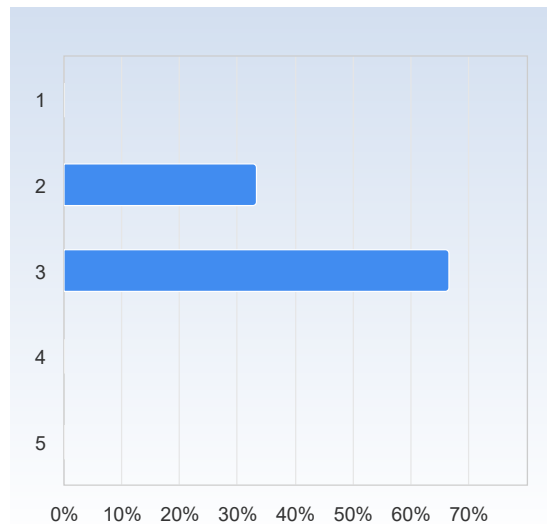


	Mean	Standard Deviation
I have studied this course as part of	6.0	0.0

On the scale 1-5 select the option that best matches your opinion: 1= disagree completely → 3= partly agree → 5= agree completely

2. My prior knowledge has been sufficient to assimilate the contents of this course.

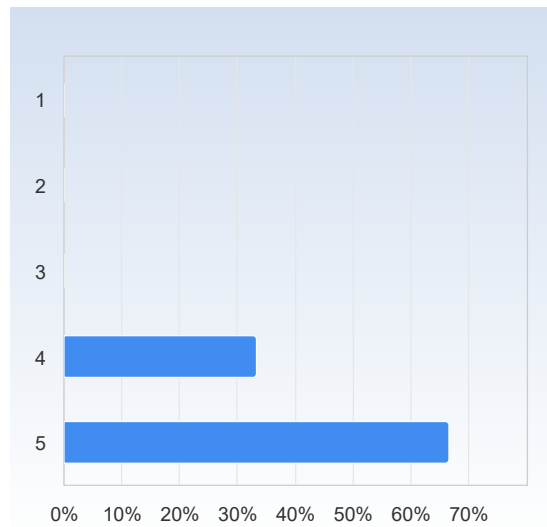
2. My prior knowledge has been sufficient to assimilate the contents of this course.	Number of responses
1	0 (0.0%)
2	1 (33.3%)
3	2 (66.7%)
4	0 (0.0%)
5	0 (0.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
2. My prior knowledge has been sufficient to assimilate the contents of this course.	2.7	0.6

3. I have participated actively in the course.

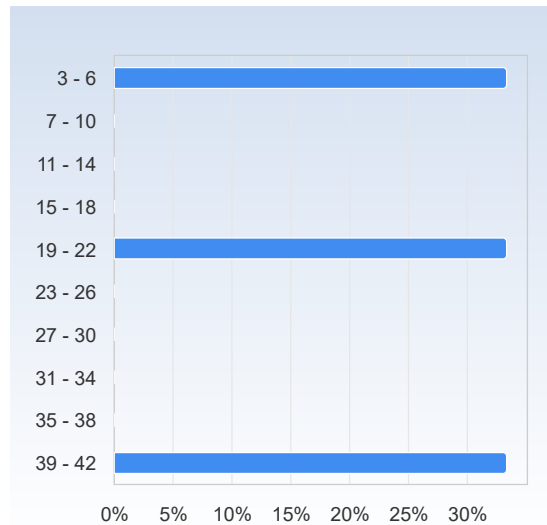
3. I have participated actively in the course.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (33.3%)
5	2 (66.7%)
Total	3 (100.0%)



	Mean	Standard Deviation
3. I have participated actively in the course.	4.7	0.6

Average number of hours spent in total on the course per week (including scheduled activities):

Average number of hours spent in total on the course per week (including scheduled activities):	Number of responses
3 - 6	1 (33.3%)
7 - 10	0 (0.0%)
11 - 14	0 (0.0%)
15 - 18	0 (0.0%)
19 - 22	1 (33.3%)
23 - 26	0 (0.0%)
27 - 30	0 (0.0%)
31 - 34	0 (0.0%)
35 - 38	0 (0.0%)
39 - 42	1 (33.3%)
Total	3 (100.0%)



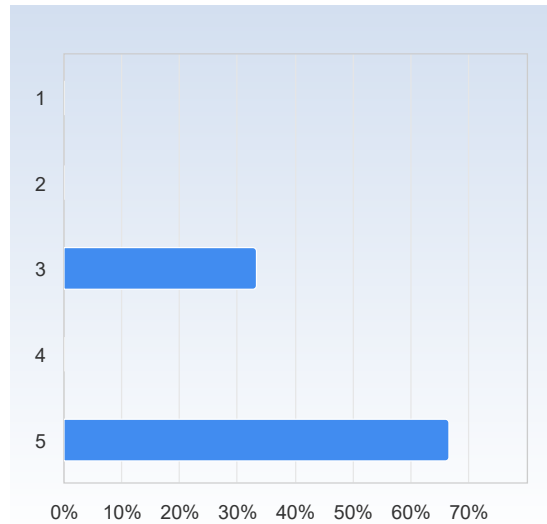
	Mean	Standard Deviation
Average number of hours spent in total on the course per week (including scheduled activities):	21.7	17.6

The course in general

On the scale 1-5 select the option that best matches your opinion: 1= disagree completely → 3= partly agree → 5= agree completely

The way the course was taught and organised suited me.

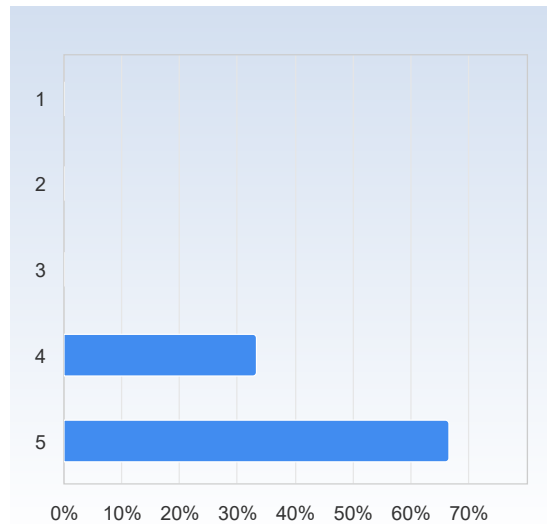
The way the course was taught and organised suited me.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (33.3%)
4	0 (0.0%)
5	2 (66.7%)
Total	3 (100.0%)



The way the course was taught and organised suited me.	Mean	Standard Deviation
	4.3	1.2

The number of teacher lead activities (lectures, seminars etc.) has been satisfactory.

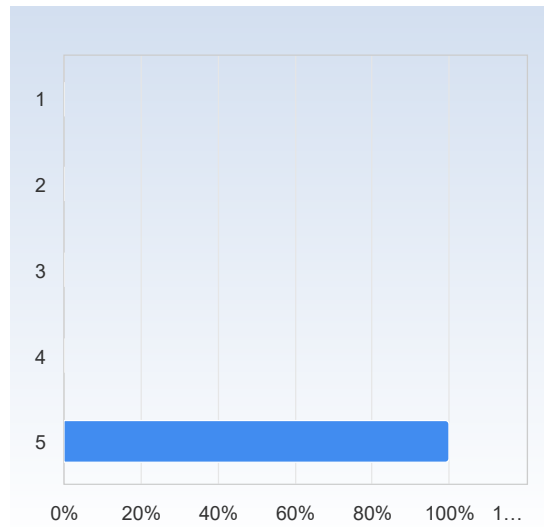
The number of teacher lead activities (lectures, seminars etc.) has been satisfactory.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
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5	2 (66.7%)
Total	3 (100.0%)



The number of teacher lead activities (lectures, seminars etc.) has been satisfactory.	Mean	Standard Deviation
	4.7	0.6

The lectures were valuable for my learning.

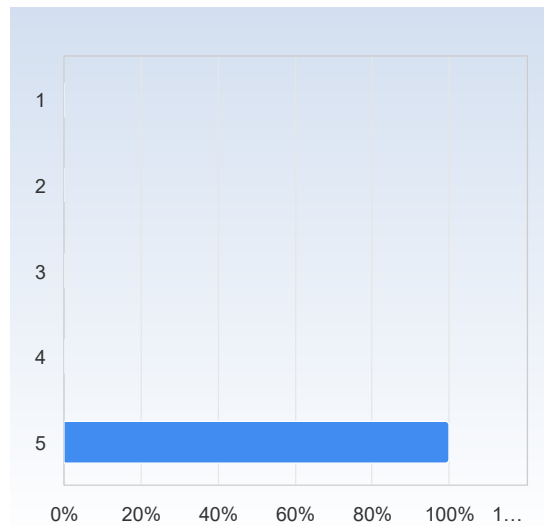
The lectures were valuable for my learning.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5	3 (100.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
The lectures were valuable for my learning.	5.0	0.0

The seminars were valuable for my learning.

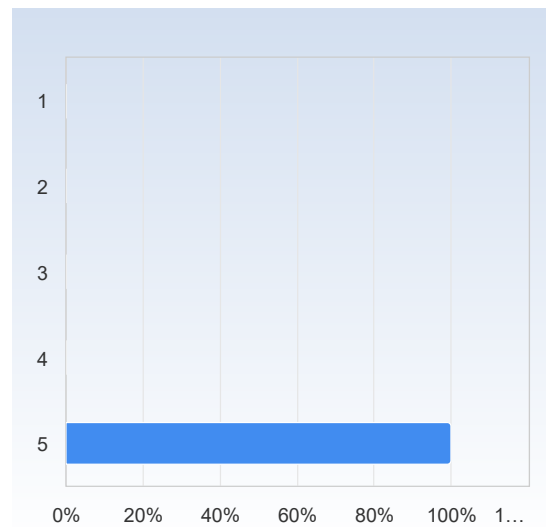
The seminars were valuable for my learning.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5	3 (100.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
The seminars were valuable for my learning.	5.0	0.0

Studying on my own was valuable for my learning.

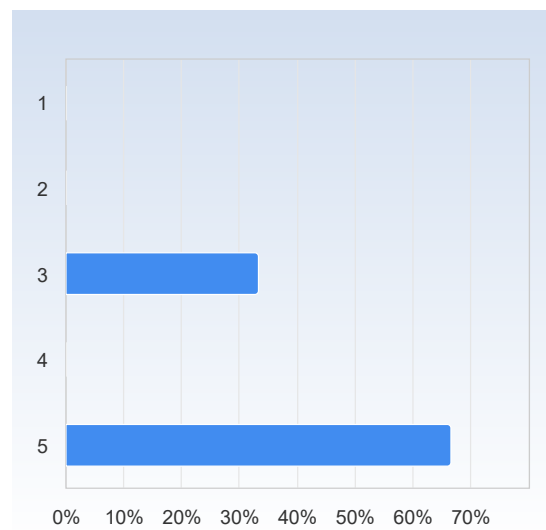
Studying on my own was valuable for my learning.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5	3 (100.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
Studying on my own was valuable for my learning.	5.0	0.0

The course literature/material was a valuable learning resource.

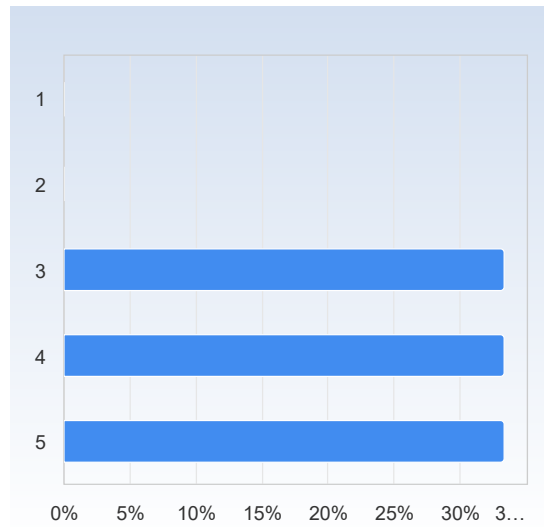
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	Mean	Standard Deviation
The course literature/material was a valuable learning resource.	4.3	1.2

The information I received before the course start was satisfactory.

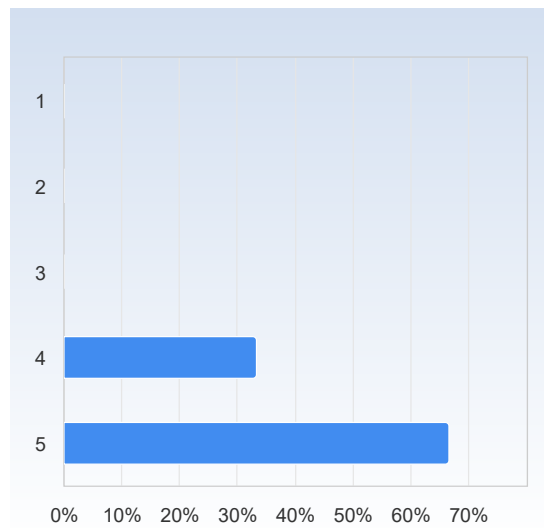
The information I received before the course start was satisfactory.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (33.3%)
4	1 (33.3%)
5	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The information I received before the course start was satisfactory.	4.0	1.0

The communication with the teaching staff during the course was good.

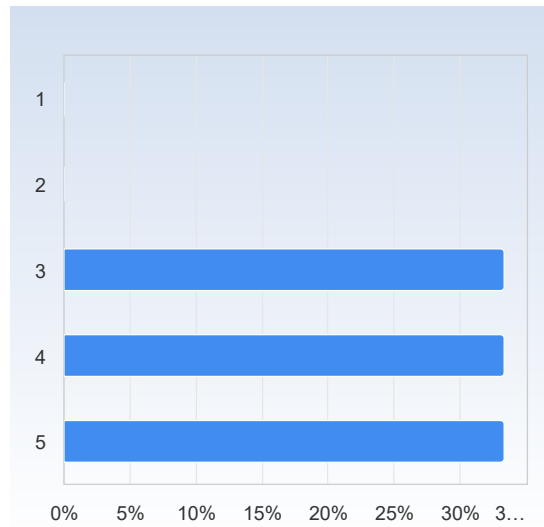
The communication with the teaching staff during the course was good.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (33.3%)
5	2 (66.7%)
Total	3 (100.0%)



	Mean	Standard Deviation
The communication with the teaching staff during the course was good.	4.7	0.6

It was clear throughout the course what was expected of me.

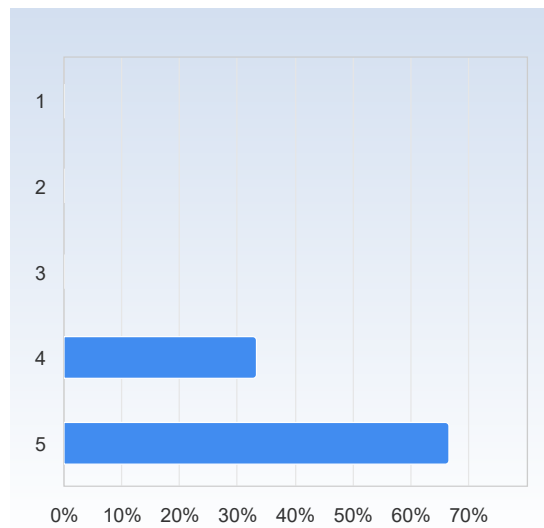
It was clear throughout the course what was expected of me.	Number of responses
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3	1 (33.3%)
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5	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
It was clear throughout the course what was expected of me.	4.0	1.0

I have received valuable feedback from my teacher/teachers during the course.

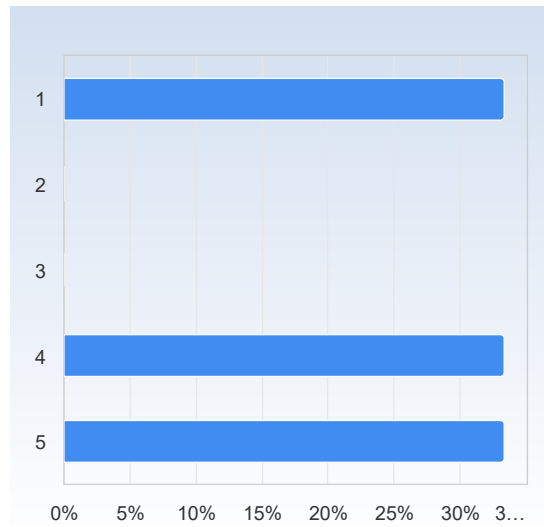
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	Mean	Standard Deviation
I have received valuable feedback from my teacher/teachers during the course.	4.7	0.6

The course had a reasonable workload.

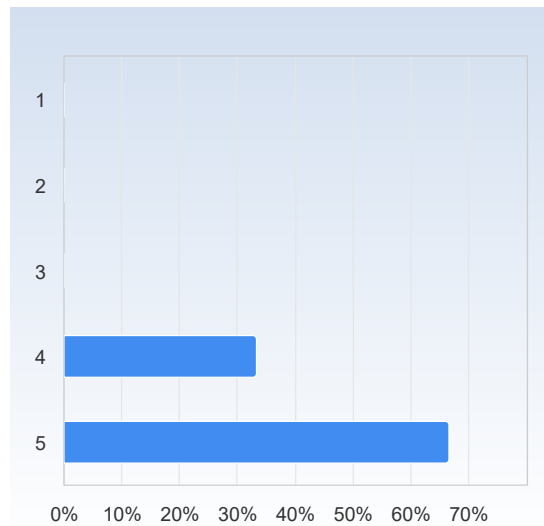
The course had a reasonable workload.	Number of responses
1	1 (33.3%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (33.3%)
5	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The course had a reasonable workload.	3.3	2.1

The workload was evenly distributed throughout the course.

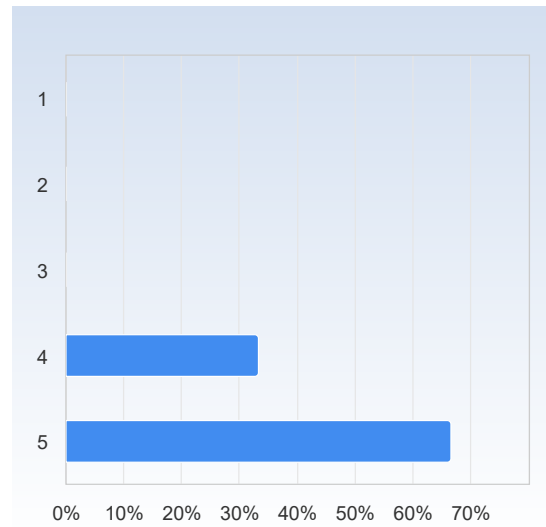
The workload was evenly distributed throughout the course.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (33.3%)
5	2 (66.7%)
Total	3 (100.0%)



	Mean	Standard Deviation
The workload was evenly distributed throughout the course.	4.7	0.6

The examination matched the contents and level of the course.

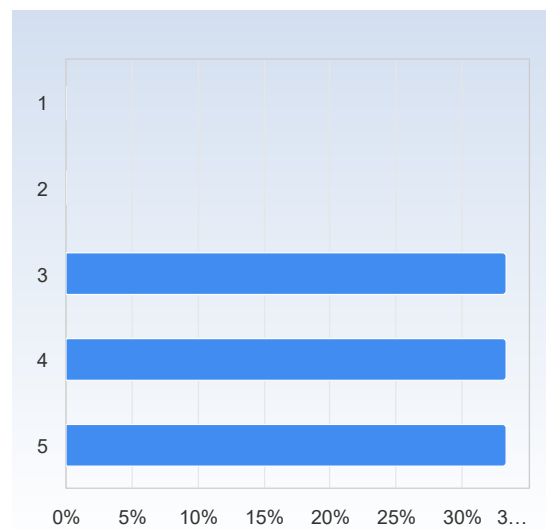
The examination matched the contents and level of the course.	Number of responses
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	Mean	Standard Deviation
The examination matched the contents and level of the course.	4.7	0.6

Overall, I am satisfied with the course.

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1	0 (0.0%)
2	0 (0.0%)
3	1 (33.3%)
4	1 (33.3%)
5	1 (33.3%)
Total	3 (100.0%)



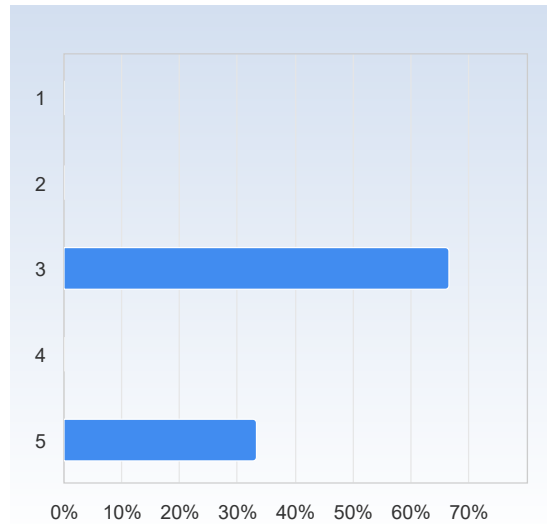
	Mean	Standard Deviation
Overall, I am satisfied with the course.	4.0	1.0

On the development of generic skills

On a scale 1-5 select the option that best matches your opinion: 1= disagree completely → 3= partly agree → 5= agree completely

The course has increased my ability to read a mathematical text.

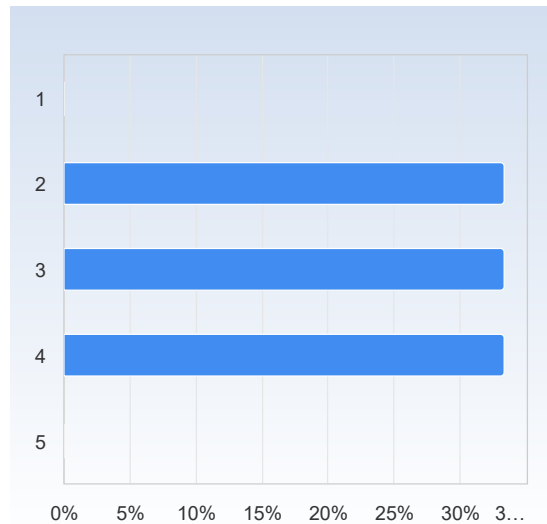
The course has increased my ability to read a mathematical text.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	2 (66.7%)
4	0 (0.0%)
5	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The course has increased my ability to read a mathematical text.	3.7	1.2

The course has increased my ability to communicate the subject in writing.

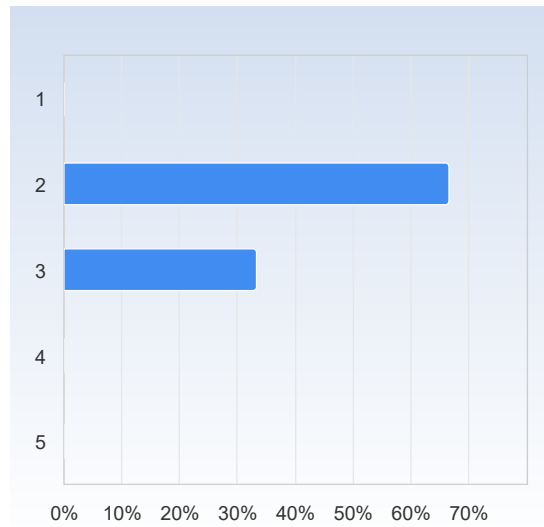
The course has increased my ability to communicate the subject in writing.	Number of responses
1	0 (0.0%)
2	1 (33.3%)
3	1 (33.3%)
4	1 (33.3%)
5	0 (0.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
The course has increased my ability to communicate the subject in writing.	3.0	1.0

The course has increased my ability to communicate the subject orally.

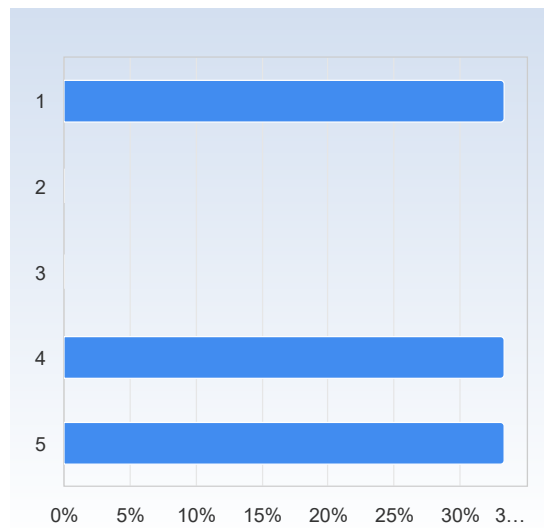
The course has increased my ability to communicate the subject orally.	Number of responses
1	0 (0.0%)
2	2 (66.7%)
3	1 (33.3%)
4	0 (0.0%)
5	0 (0.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
The course has increased my ability to communicate the subject orally.	2.3	0.6

The course has increased my ability to cooperate.

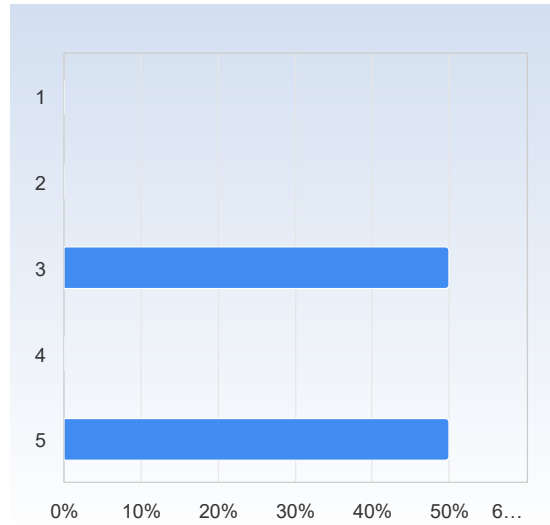
The course has increased my ability to cooperate.	Number of responses
1	1 (33.3%)
2	0 (0.0%)
3	0 (0.0%)
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5	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The course has increased my ability to cooperate.	3.3	2.1

The course has increased my ability to search and process information.

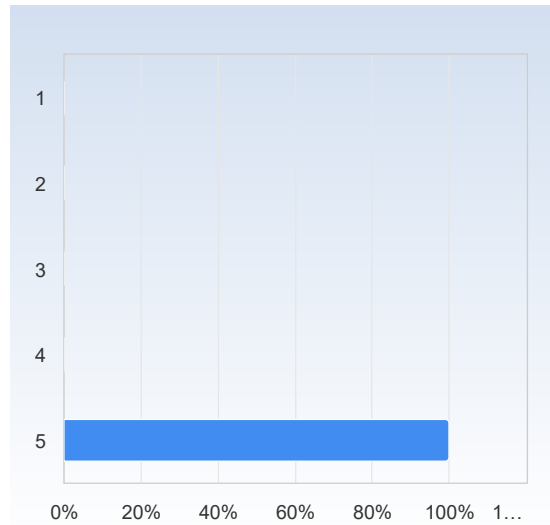
The course has increased my ability to search and process information.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (50.0%)
4	0 (0.0%)
5	1 (50.0%)
Total	2 (100.0%)



	Mean	Standard Deviation
The course has increased my ability to search and process information.	4.0	1.4

The course has increased my ability to analyze and solve problems.

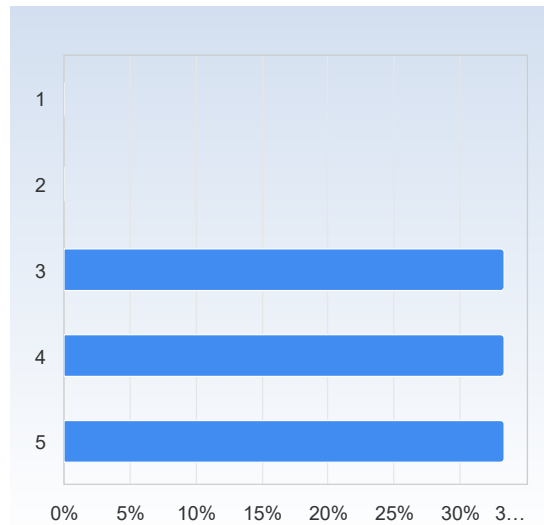
The course has increased my ability to analyze and solve problems.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5	3 (100.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
The course has increased my ability to analyze and solve problems.	5.0	0.0

As a result of this course, I feel confident about tackling unfamiliar problems.

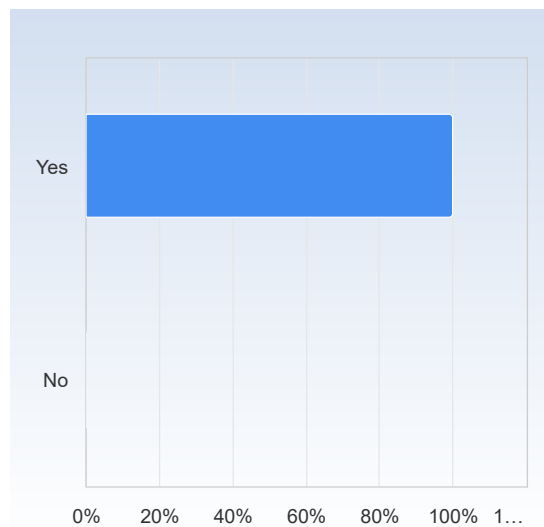
As a result of this course, I feel confident about tackling unfamiliar problems.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (33.3%)
4	1 (33.3%)
5	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
As a result of this course, I feel confident about tackling unfamiliar problems.	4.0	1.0

Have you taken the examination?

Have you taken the examination?	Number of responses
Yes	3 (100.0%)
No	0 (0.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
Have you taken the examination?	1.0	0.0

What did you appreciate most with the course?

What did you appreciate most with the course?

The teachers, Evgeniy and Stefano. They are both very good at teaching, and are very patient and good at explaining the matter in different ways.

Another thing I found beneficial was the low number of classmates, meaning everyone could get help with questions during the lectures and seminars.

Furthermore, I did like the one time wher Stefano invited us up to the black board to solve exercises (or rther present our solution) so we could discuss it further if needed.

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What do you think should be improved?

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I'm puzzled because in the math class, we were assigned programming assignments, yet we haven't taken any programming lessons. I find it challenging because I lack the basic knowledge of programming. Moreover, I've only seen the teacher who checks the programming assignments once, making it even more difficult for me.

Have you during this course experienced course literature, staff or teaching methods to be discriminatory in any way (gender, ethnicity, etc.)?

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No, none of the likes.

nope