Course Analysis for
MATB23 Analysis in Several Variables 2, Fall 2022

Course Information

Lecturer: Yacin Ameur
Teaching assistants: Alex Bergman
Number of students:
13 newly registered and 18 re-registered.
3 students answered the course evaluation, 2 of them are enrolled on the Bachelor's Programme in Mathematics and 1 on the Bachelor's Programme in Physics.

Examination

Oral examination: 15 students passed.
Written examination: 13 students passed.

- Ordinary examination 20/12 2022: 23 students participated and 9 of them passed.
- Resit examination 10/1 2023: 12 students participated and 6 of them passed.

Final grades:
In all, 15 students, including 4 re-registered students, have got their final grade.
3 passed with distinction.
12 passed.

Course Evaluation

Summary of student's answers:
See attached summary.

Teachers' comments:
The education consists of lectures and seminars.

Changes from the previous course realisation:
No big changes. Some moments such as implicit function theorem are skipped because of insufficient time. Alex does a good job managing the exercise classes.

Suggestions for the next course realisation:
The biggest current problem is that other teachers have started experimenting with the course literature for MATB21, apparently without considering the impact of such changes for MATB23. This practice should be stopped, if we are to continue having separate teachers for the two courses (MATB21 and MATB23). Ideally, one and the same teacher would have both courses. The course is also a little too crammed with too much scheduled education. The students do not have time to prepare exercises during weeks when there are three lectures. Also the course continues too long with examination on December 20, which means that oral exams must be postponed until after new year's eve.

MATB23 HT22

Answer Count: 3

I have studied this course as part of

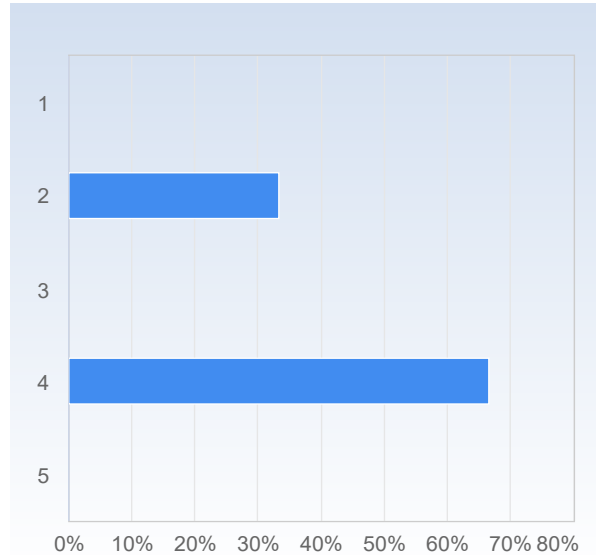| I have studied this course as part of	Number of responses
Bachelor´s Programme in Mathematics	2 (66,7%)
Bachelor´s Programme in Physics, Theoretical Physics, Astronomy	1 (33,3%)
Bachelor´s Programme, other specialization	0 (0,0%)
Master's Programme in Mathematics	0 (0,0%)
Master´s Programme in Mathematical Statistics	0 (0,0%)
Master´s Programme, other specialization	0 (0,0%)
Teacher Education	0 (0,0%)
other programme or as stand alone course	0 (0,0%)
Total	3 (100,0%)
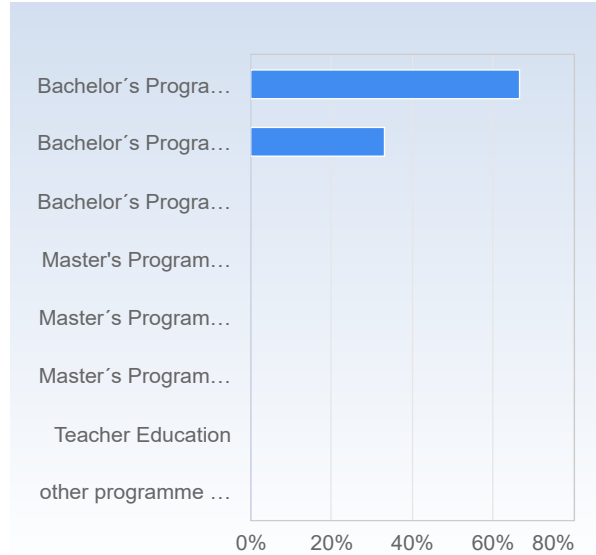
	Mean	Standard Deviation
I have studied this course as part of	1,3	0,6

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	0 (0,0%)
4	2 (66,7%)
5	0 (0,0%)
Total	3 (100,0%)

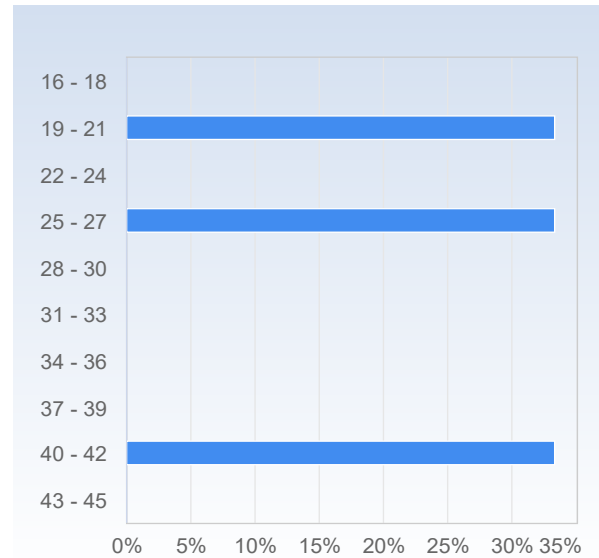|	Mean	Standard Deviation
2.My prior knowledge has been sufficient to assimilate the contents of this course.	3,3	1,2

3.I have participated actively in the course.

3.I have participated actively in the course.	Number of responses
1	2 (66,7%)
2	0 (0,0%)
3	0 (0,0%)
4	1 (33,3%)
5	0 (0,0%)
Total	3 (100,0%)
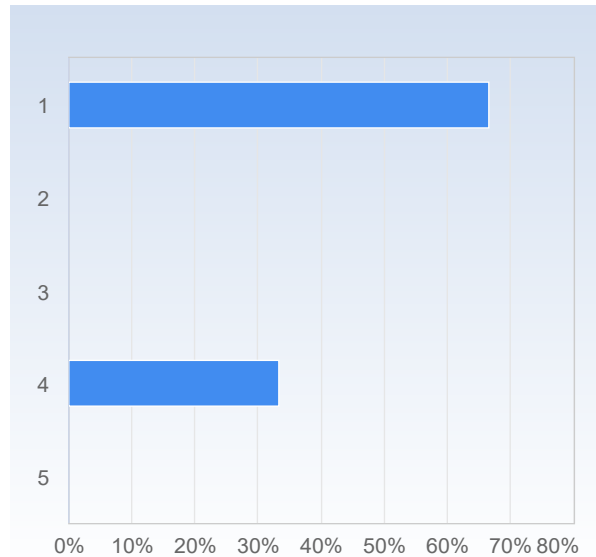
	Mean	Standard Deviation
3.I have participated actively in the course.	2,0	1,7

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
16 - 18	0 (0,0%)
19 - 21	1 (33,3%)
22 - 24	0 (0,0%)
25 - 27	1 (33,3%)
28 - 30	0 (0,0%)
31 - 33	0 (0,0%)
34 - 36	0 (0,0%)
37 - 39	0 (0,0%)
40 - 42	1 (33,3%)
43 - 45	0 (0,0%)
Total	3 (100,0%)

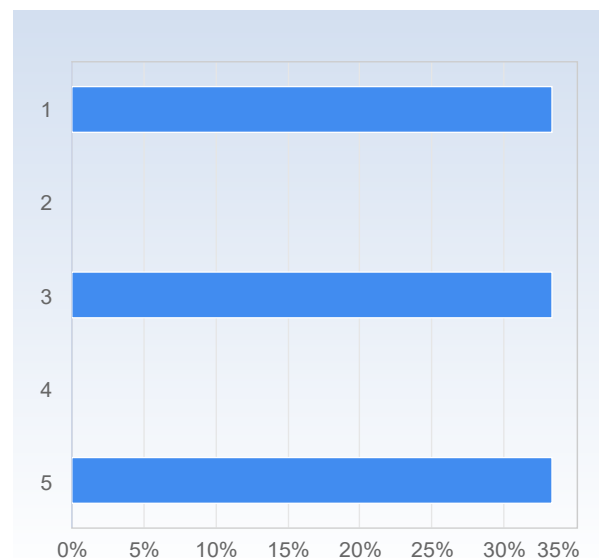|	Mean	Standard Deviation
Average number of hours spent in total on the course per week (including scheduled activities):	28,3	10,4

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

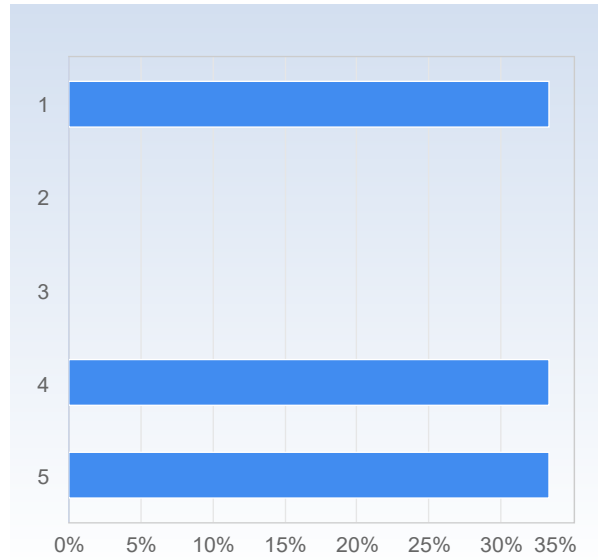## The way the course was taught and organised suited me.

The way the course was taught and organised suited me.	Number of responses
1	1 (33,3%)
2	0 (0,0%)
3	1 (33,3%)
4	0 (0,0%)
5	1 (33,3%)
Total	3 (100,0%)

	Mean	Standard Deviation
The way the course was taught and organised suited me.	3,0	2,0

## 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	1 (33,3%)
2	0 (0,0%)
3	0 (0,0%)
4	1 (33,3%)
5	1 (33,3%)
Total	3 (100,0%)

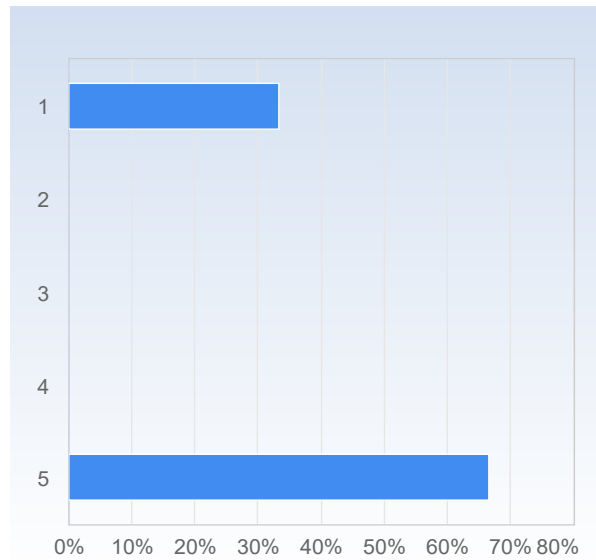|	Mean	Standard Deviation
The number of teacher lead activities (lectures, seminars etc.) has been satisfactory.	3,3	2,1

The lectures were valuable for my learning.

The lectures were valuable for my learning.	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%)
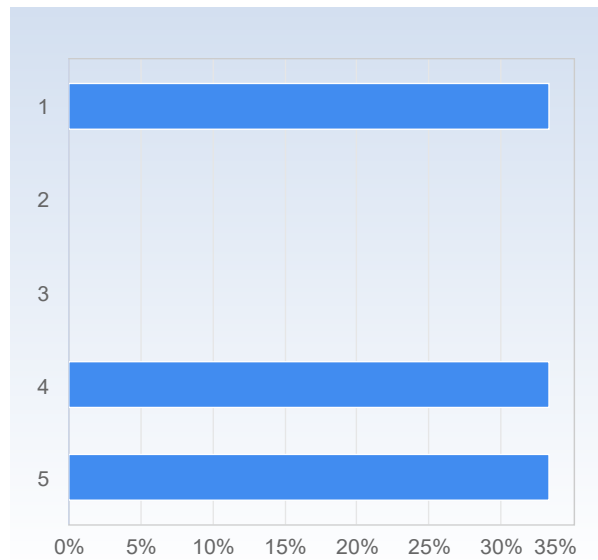
	Mean	Standard Deviation
The lectures were valuable for my learning.	3,3	2,1

The seminars were valuable for my learning.

The seminars were valuable for my learning.	Number of responses
1	1 (33,3%)
2	0 (0,0%)
3	0 (0,0%)
4	0 (0,0%)
5	2 (66,7%)
Total	3 (100,0%)

	Mean	Standard Deviation
The seminars were valuable for my learning.	3,7	2,3

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%)
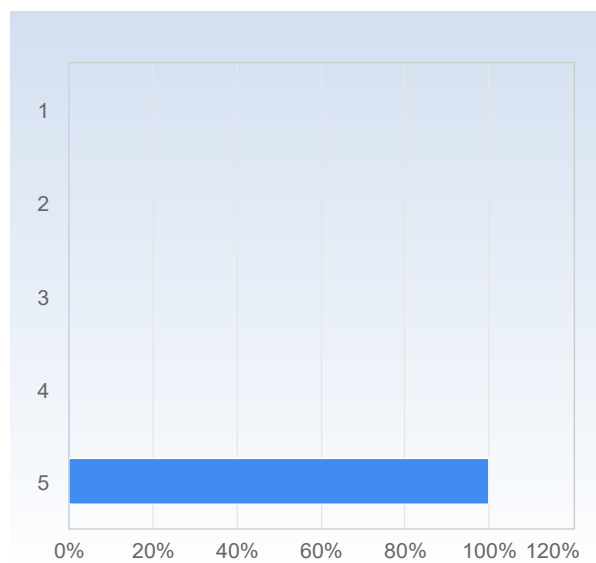
	Mean	Standard Deviation
Studying on my own was valuable for my learning.	5,0	0,0

The course literature/material was a valuable learning resource.

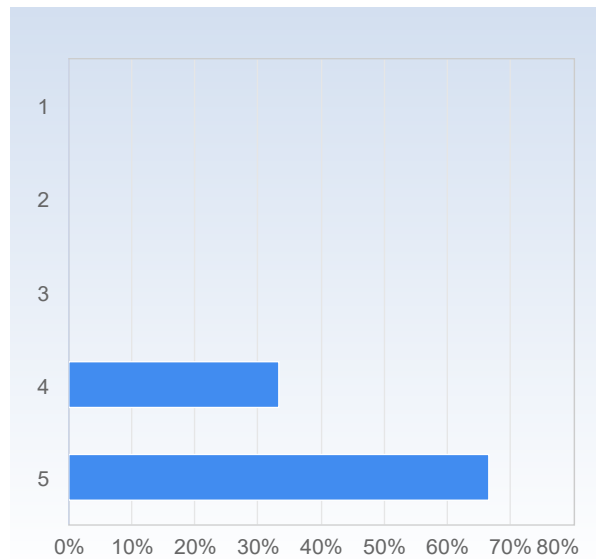| The course literature/material was a valuable learning resource.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	2 (66,7%)
4	0 (0,0%)
5	1 (33,3%)
Total	3 (100,0%)
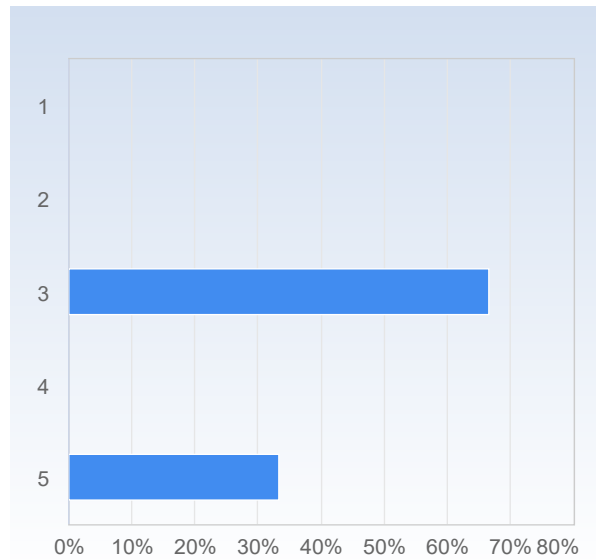
	Mean	Standard Deviation
The course literature/material was a valuable learning resource.	3,7	1,2

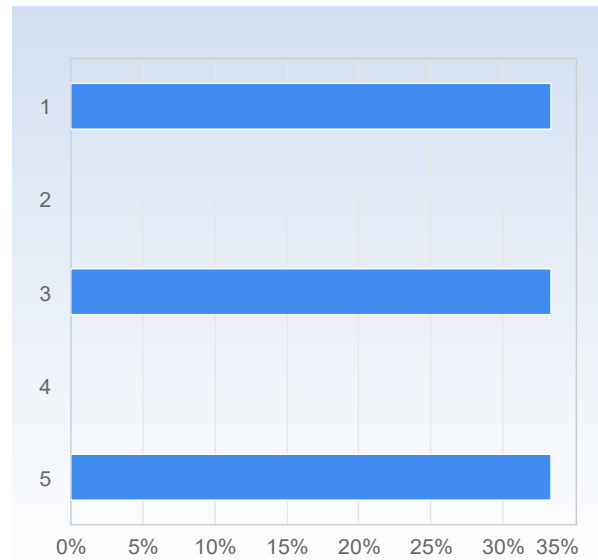## The information I received before the course start was satisfactory.

The information I received before the course start was satisfactory.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	0 (0,0%)
4	1 (33,3%)
5	2 (66,7%)
Total	3 (100,0%)

	Mean	Standard Deviation
The information I received before the course start was satisfactory.	4,7	0,6

## 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	1 (33,3%)
2	0 (0,0%)
3	1 (33,3%)
4	0 (0,0%)
5	1 (33,3%)
Total	3 (100,0%)

	Mean	Standard Deviation
The communication with the teaching staff during the course was good.	3,0	2,0

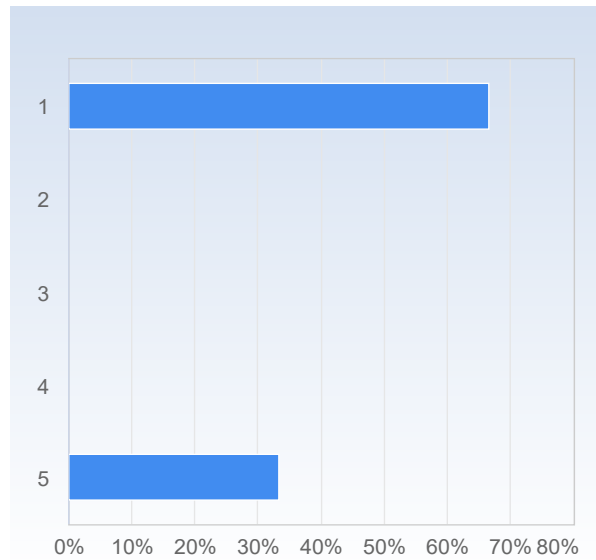## It was clear throughout the course what was expected of me.

It was clear throughout the course what was expected of me.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	1 (33,3%)
4	0 (0,0%)
5	2 (66,7%)
Total	3 (100,0%)
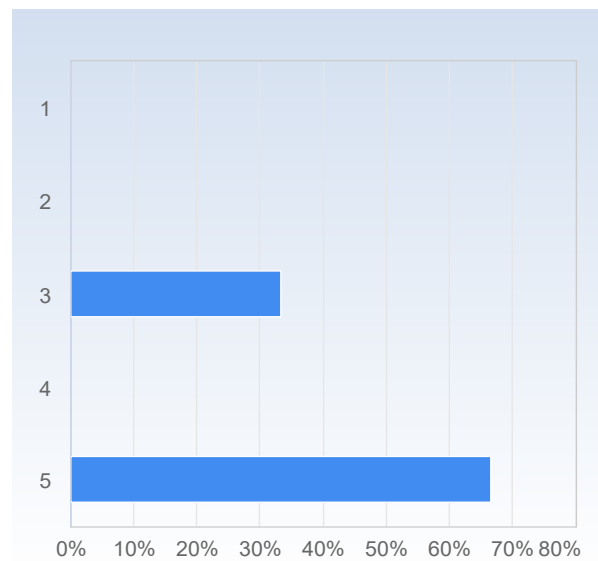
	Mean	Standard Deviation
It was clear throughout the course what was expected of me.	4,3	1,2

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

I have received valuable feedback from my teacher /teachers during the course.	Number of responses
1	2 (66,7%)
2	0 (0,0%)
3	0 (0,0%)
4	0 (0,0%)
5	1 (33,3%)
Total	3 (100,0%)

	Mean	Standard Deviation
I have received valuable feedback from my teacher/teachers during the course.	2,3	2,3

The course had a reasonable workload.

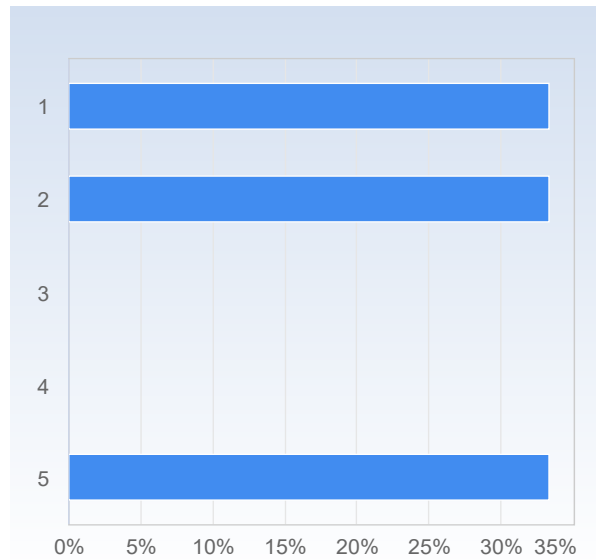| The course had a reasonable workload.	Number of responses
1	0 (0,0%)
2	2 (66,7%)
3	0 (0,0%)
4	0 (0,0%)
5	1 (33,3%)
Total	3 (100,0%)
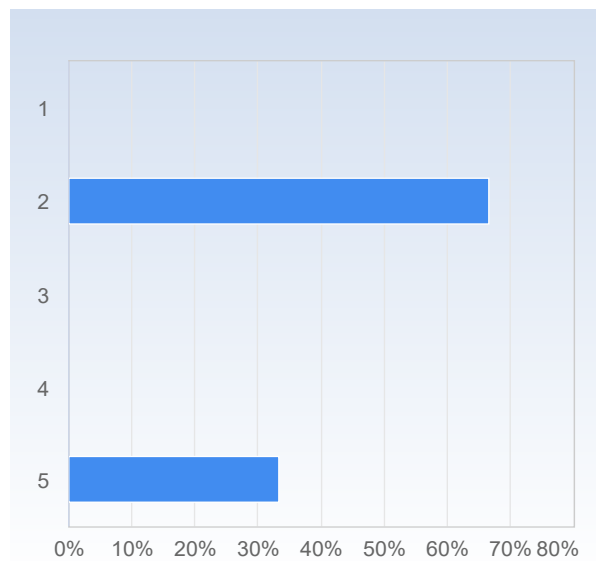
	Mean	Standard Deviation
The course had a reasonable workload.	3,0	1,7

The workload was evenly distributed throughout the course.

The workload was evenly distributed throughout the course.	Number of responses
1	1 (33,3%)
2	1 (33,3%)
3	0 (0,0%)
4	0 (0,0%)
5	1 (33,3%)
Total	3 (100,0%)

	Mean	Standard Deviation
The workload was evenly distributed throughout the course.	2,7	2,1

The examination matched the contents and level of the course.

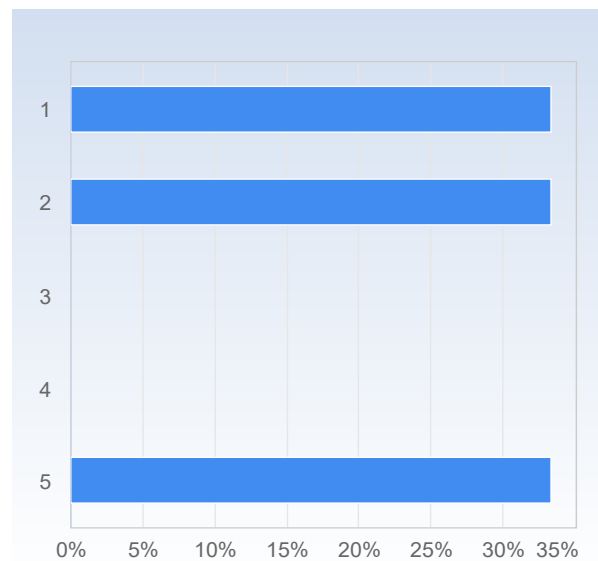| The examination matched the contents and level of the course.	Number of responses
1	1 (33,3%)
2	1 (33,3%)
3	0 (0,0%)
4	0 (0,0%)
5	1 (33,3%)
Total	3 (100,0%)
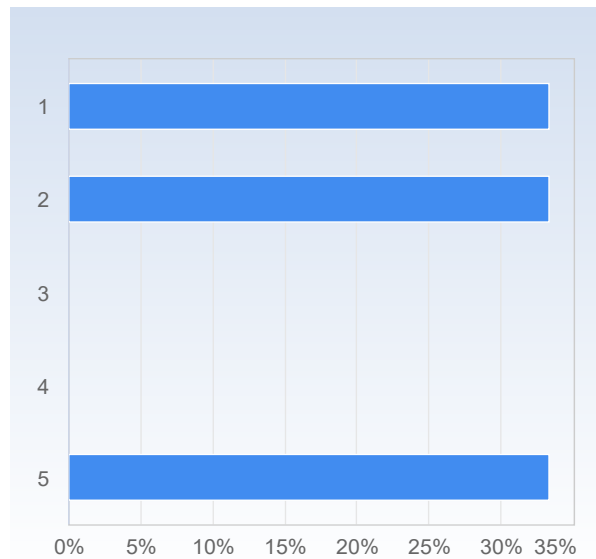
	Mean	Standard Deviation
The examination matched the contents and level of the course.	2,7	2,1

Overall, I am satisfied with the course.

Overall, I am satisfied with the course.	Number of responses
1	1 (33,3%)
2	1 (33,3%)
3	0 (0,0%)
4	0 (0,0%)
5	1 (33,3%)
Total	3 (100,0%)

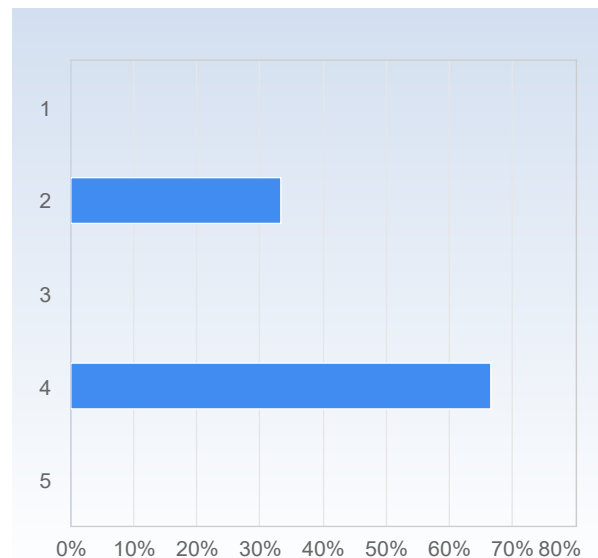|	Mean	Standard Deviation
Overall, I am satisfied with the course.	2,7	2,1

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

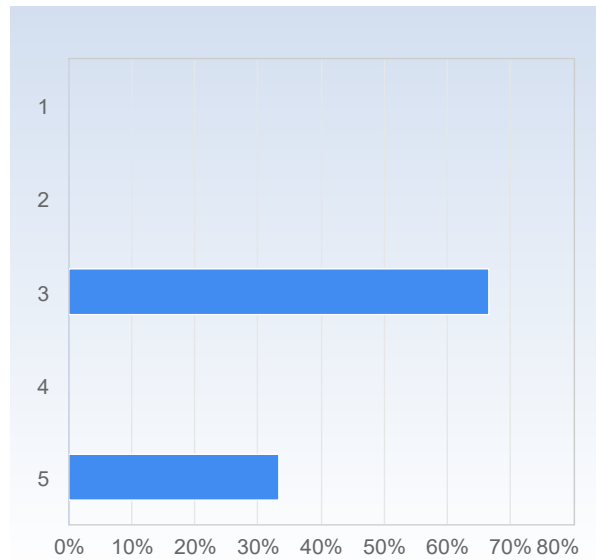## The course has increased my ability to read a mathematical text.

The course has increased my ability to read a mathematical text.	Number of responses
1	0 (0,0%)
2	1 (33,3%)
3	0 (0,0%)
4	2 (66,7%)
5	0 (0,0%)
Total	3 (100,0%)

	Mean	Standard Deviation
The course has increased my ability to read a mathematical text.	3,3	1,2

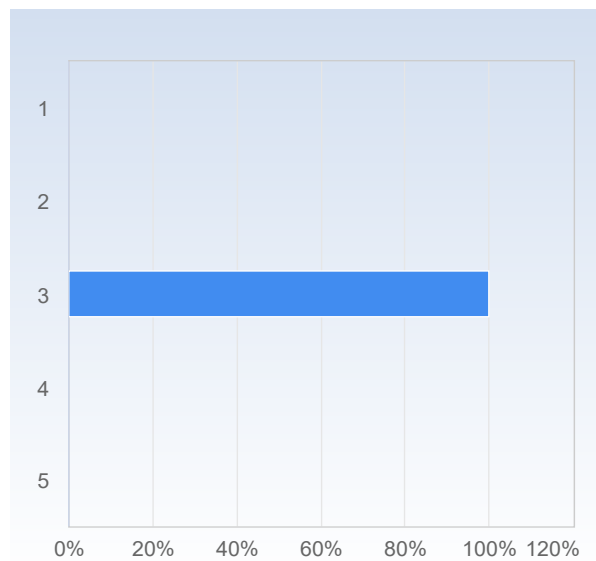## The course has increased my ability to communicate the subject in writing.

The course has increased my ability to communicate the subject in writing.	Number of responses
1	0 (0,0%)
2	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 communicate the subject in writing.	3,7	1,2

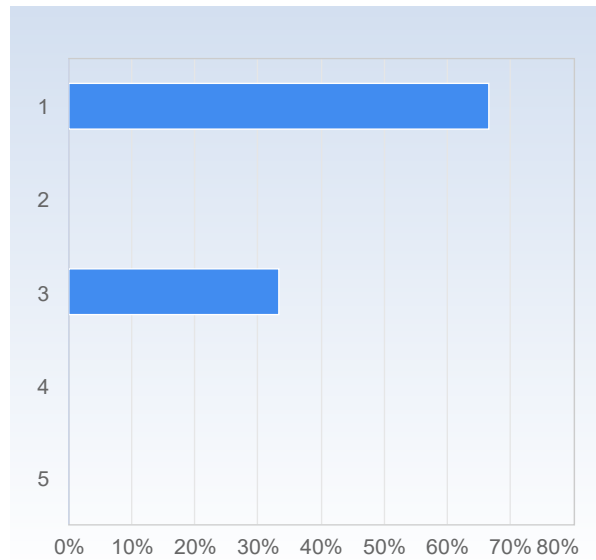## The course has increased my ability to communicate the subject orally.

The course has increased my ability to communicate the subject orally.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	3 (100,0%)
4	0 (0,0%)
5	0 (0,0%)
Total	3 (100,0%)

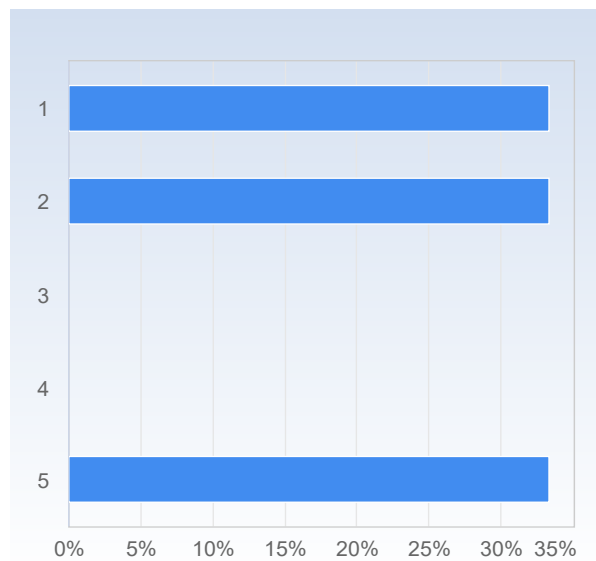|	Mean	Standard Deviation
The course has increased my ability to communicate the subject orally.	3,0	0,0

The course has increased my ability to cooperate.

The course has increased my ability to cooperate.	Number of responses
1	2 (66,7%)
2	0 (0,0%)
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 cooperate.	1,7	1,2

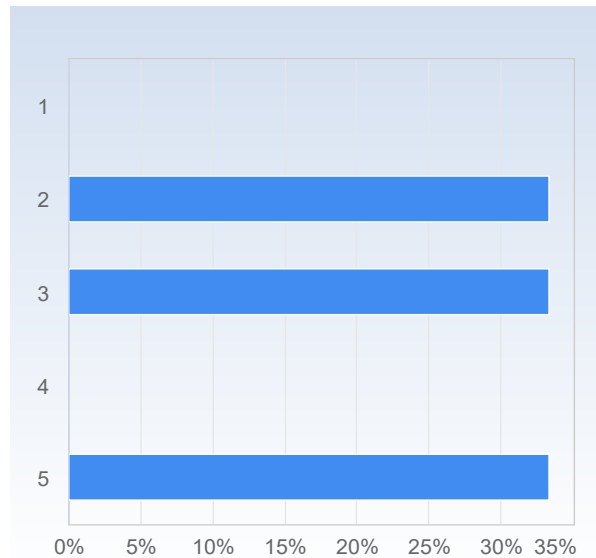## The course has increased my ability to search and process information.

The course has increased my ability to search and process information.	Number of responses
1	1 (33,3%)
2	1 (33,3%)
3	0 (0,0%)
4	0 (0,0%)
5	1 (33,3%)
Total	3 (100,0%)

	Mean	Standard Deviation
The course has increased my ability to search and process information.	2,7	2,1

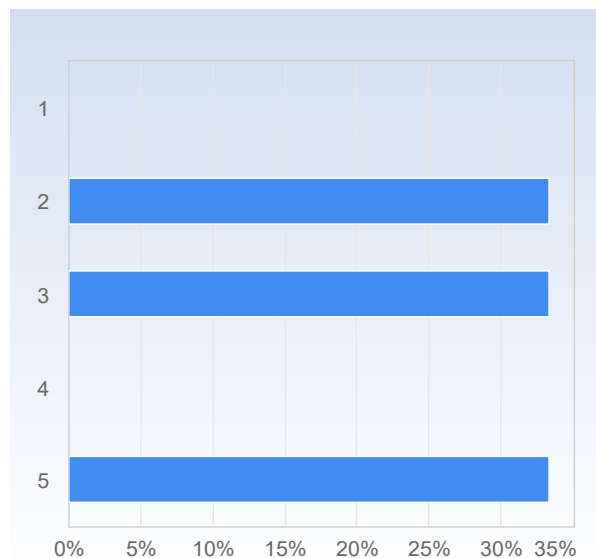## The course has increased my ability to analyze and solve problems.

The course has increased my ability to analyze and solve problems.	Number of responses
1	0 (0,0%)
2	1 (33,3%)
3	1 (33,3%)
4	0 (0,0%)
5	1 (33,3%)
Total	3 (100,0%)

	Mean	Standard Deviation
The course has increased my ability to analyze and solve problems.	3,3	1,5

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	1 (33,3%)
3	1 (33,3%)
4	0 (0,0%)
5	1 (33,3%)
Total	3 (100,0%)

	Mean	Standard Deviation
As a result of this course, I feel confident about tackling unfamiliar problems.	3,3	1,5

What did you appreciate most with the course?

What did you appreciate most with the course?
just SEMINARS
Nothing

What do you think should be improved?

What do you think should be improved?
The exam was difficult and it was not similar to problems that we solved in seminars.
There are a lot of things that should be improved: For example the lecturer should not put stuff in the course which avtually belongs to several variables 2 so that students who passed several variables 1 for a while ago and did the moment in question, have to do it again. Because they habe already shown they can handle that part. Secondly, it is sad that you don't get help during the seminars when you ask question which you wish help in and the person says "I don't know" without trying to help you solve the question.

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

Have you during this course experienced course literature, staff or teaching methods to be discriminatory in any way (gender, ethnicity, etc.)?
Not at all.
No