



LUND UNIVERSITY
Faculty of Science

Centre for Mathematical Sciences
Division of Mathematics and Numerical Analysis

Course Analysis for MATC12 Ordinary Differential Equations I, autumn 2022

Course Information

Lecturer: Bastian Hilder

Teaching assistants: Jonathan Holmquist

Number of students:

29 newly registered and 3 re-registered.

4 students answered the course evaluation, 2 of them are enrolled on Bachelor's Programme in Mathematics and 2 are enrolled in other programmes.

Examination

Oral examination: 16 students passed.

Written examination: 18 students passed.

- Ordinary examination 20/12 2022: 17 students participated and 14 of them passed.
- Resit examination 12/01 2023: 5 students participated and 4 of them passed.

Final grades:

In all, 16 students, including 0 re-registered students, have got their final grade.

7 passed with distinction.

9 passed.

Two students, who passed the written examination, have requested to take the oral examination at a later date and therefore have not received their final grades yet.

Course Evaluation

Summary of student's answers:

Unfortunately, only 4 students completed the course evaluation, which is about 20% of those who took the written exam. Due to the low number of responses one should be very careful with drawing conclusions.

Overall the respondents were satisfied with the course (mean value: 4.8). They also thought that the course had a reasonable workload (mean value: 5), that it was clear to them what was expected of them (mean value: 4.8) and that the course was well organized and communication with and feedback from the teaching staff was good. While the respondents were overall satisfied with the lectures (mean value: 4.5) the respondents to the value of the seminars for their learning was mixed (mean value: 3.0, standard deviation: 2.0).

Finally, all respondents thought that their prior knowledge was sufficient for the course and that the level of the examination matched the contents and level of the course.

Regarding the development of general skills, the respondents thought that the course increased their ability to read a mathematical text (mean value: 4.8) but they did not think that the course

increased their ability to cooperate (mean value 1.7). The respondent's thoughts on the influence of the course on the other general skills was mixed.

Teachers' comments:

The course was taught with at half speed with two lectures and one seminar per week. Typically, the students were given at least one week to prepare the exercises which were discussed in the seminar.

Changes from the previous course realisation:

There were no changes compared to the last realization of the course.

Suggestions for the next course realisation:

There were no suggestions for changes from the students.

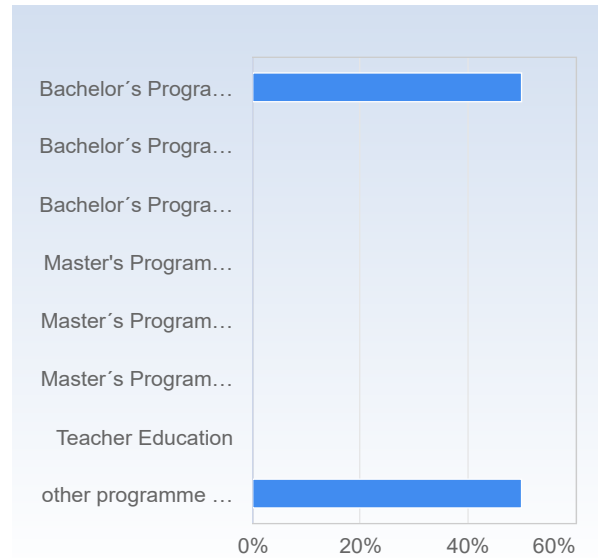
2023-05-24, compiled by Bastian Hilder

Ordinary Differential Equations 1, Autumn 2022

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	2 (50.0%)
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	0 (0.0%)
Teacher Education	0 (0.0%)
other programme or as stand alone course	2 (50.0%)
Total	4 (100.0%)

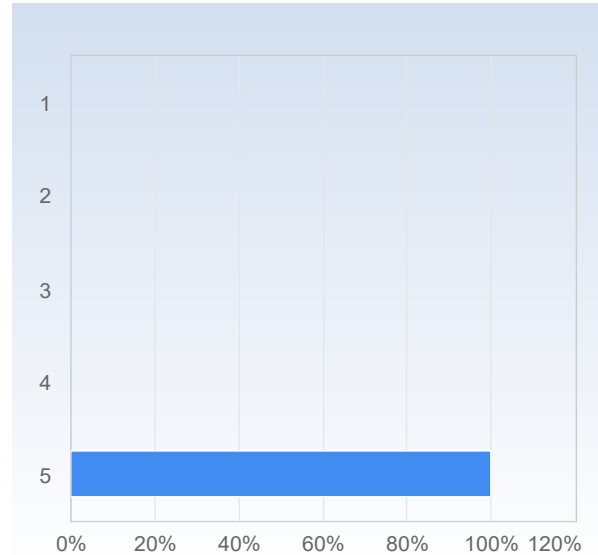


	Mean	Standard Deviation
I have studied this course as part of	4.5	4.0

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.

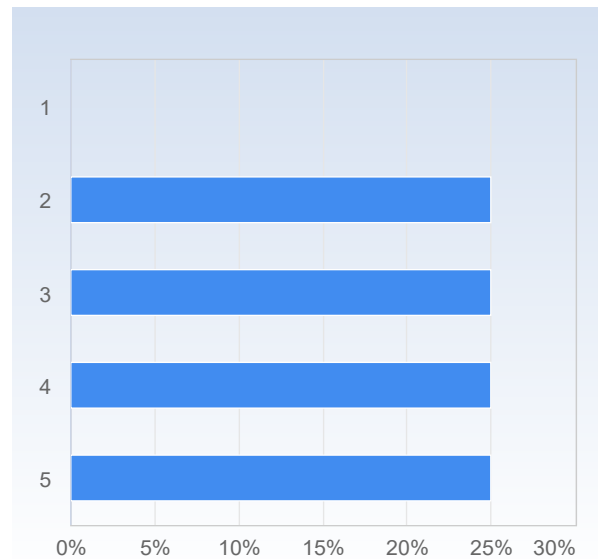
2. My prior knowledge has been sufficient to assimilate the contents of this course.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5	4 (100.0%)
Total	4 (100.0%)



2. My prior knowledge has been sufficient to assimilate the contents of this course.	Mean	Standard Deviation
	5.0	0.0

3. I have participated actively in the course.

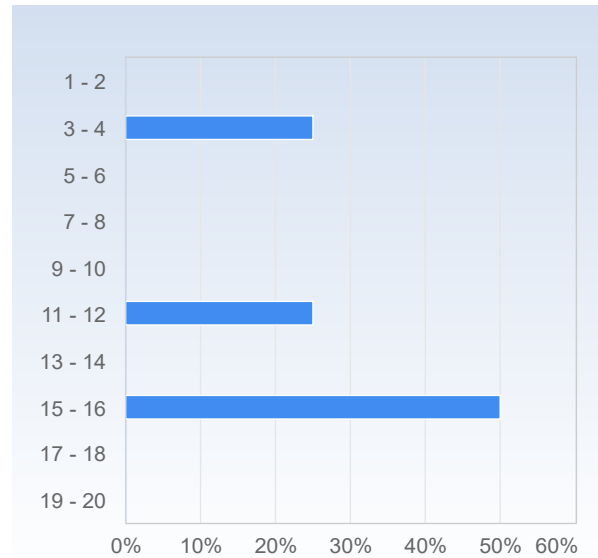
3. I have participated actively in the course.	Number of responses
1	0 (0.0%)
2	1 (25.0%)
3	1 (25.0%)
4	1 (25.0%)
5	1 (25.0%)
Total	4 (100.0%)



3. I have participated actively in the course.	Mean	Standard Deviation
	3.5	1.3

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
1 - 2	0 (0.0%)
3 - 4	1 (25.0%)
5 - 6	0 (0.0%)
7 - 8	0 (0.0%)
9 - 10	0 (0.0%)
11 - 12	1 (25.0%)
13 - 14	0 (0.0%)
15 - 16	2 (50.0%)
17 - 18	0 (0.0%)
19 - 20	0 (0.0%)
Total	4 (100.0%)



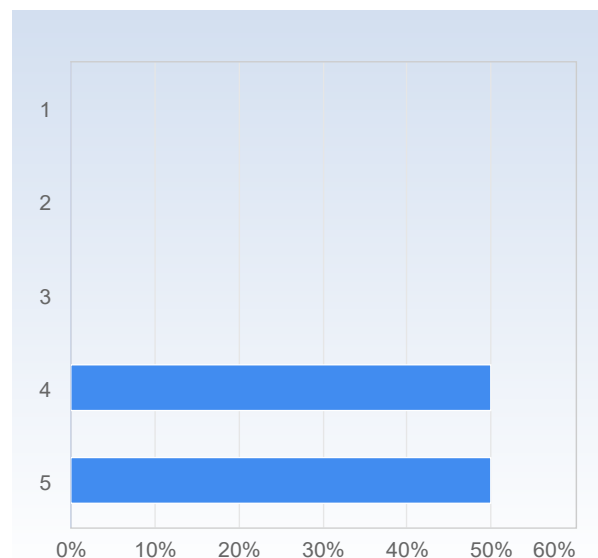
	Mean	Standard Deviation
Average number of hours spent in total on the course per week (including scheduled activities):	11.8	5.4

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.

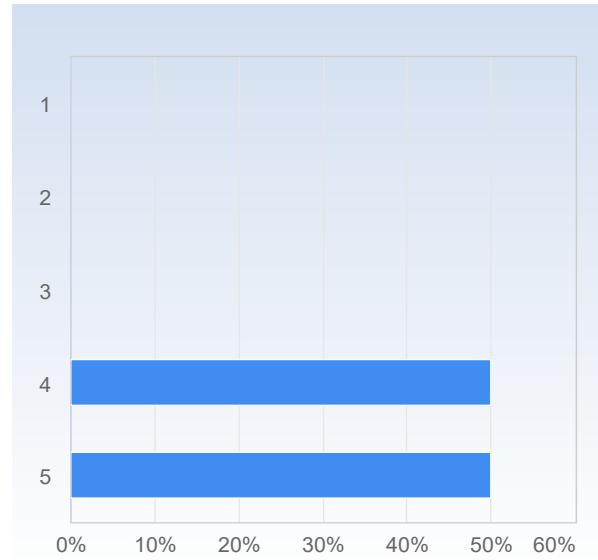
The way the course was taught and organised suited me.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	2 (50.0%)
5	2 (50.0%)
Total	4 (100.0%)



	Mean	Standard Deviation
The way the course was taught and organised suited me.	4.5	0.6

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

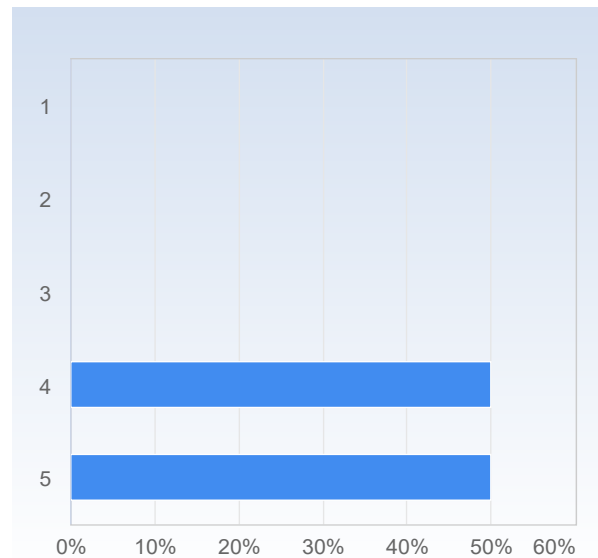
The number of teacher lead activities (lectures, seminars etc.) has been satisfactory.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	2 (50.0%)
5	2 (50.0%)
Total	4 (100.0%)



	Mean	Standard Deviation
The number of teacher lead activities (lectures, seminars etc.) has been satisfactory.	4.5	0.6

The lectures were valuable for my learning.

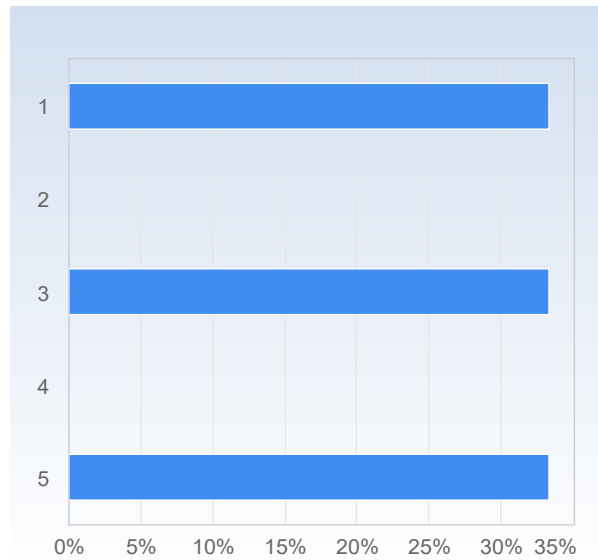
The lectures were valuable for my learning.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (50.0%)
5	1 (50.0%)
Total	2 (100.0%)



	Mean	Standard Deviation
The lectures were valuable for my learning.	4.5	0.7

The seminars were valuable for my learning.

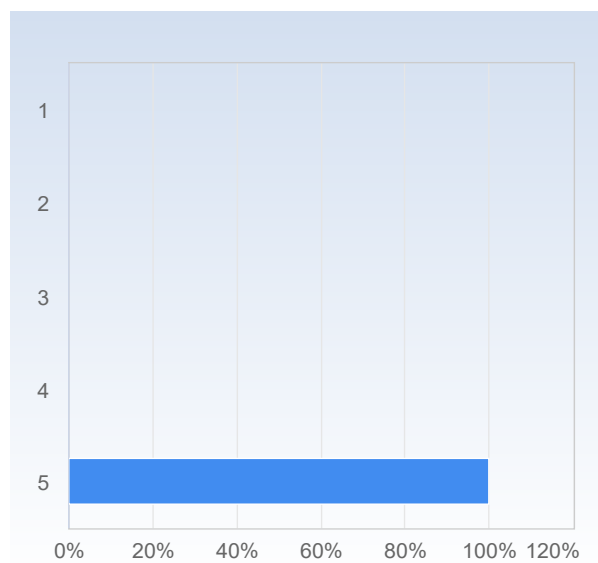
The seminars were valuable for my learning.	Number of responses
1	1 (33.3%)
2	0 (0.0%)
3	1 (33.3%)
4	0 (0.0%)
5	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The seminars were valuable for my learning.	3.0	2.0

Studying on my own was valuable for my learning.

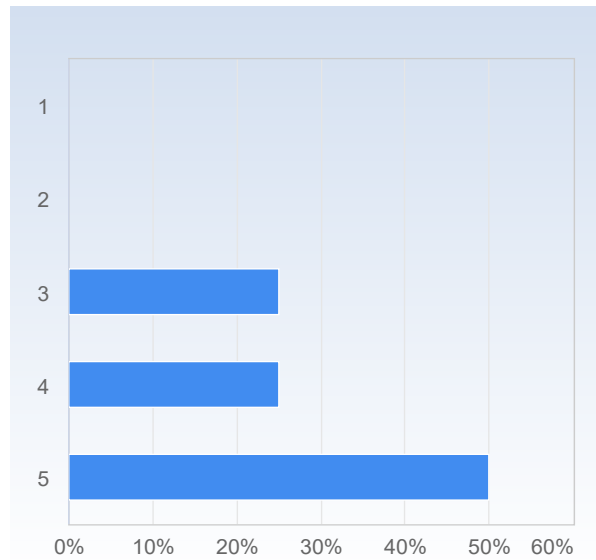
Studying on my own was valuable for my learning.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5	4 (100.0%)
Total	4 (100.0%)



	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.

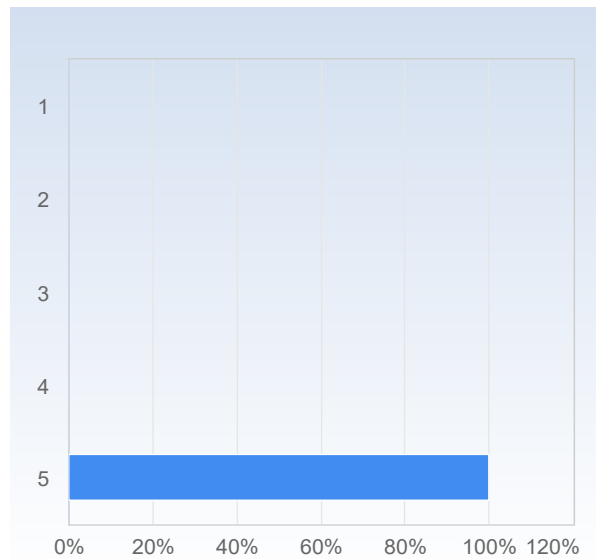
The course literature/material was a valuable learning resource.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (25.0%)
4	1 (25.0%)
5	2 (50.0%)
Total	4 (100.0%)



The course literature/material was a valuable learning resource.	Mean	Standard Deviation
	4.2	1.0

The information I received before the course start was satisfactory.

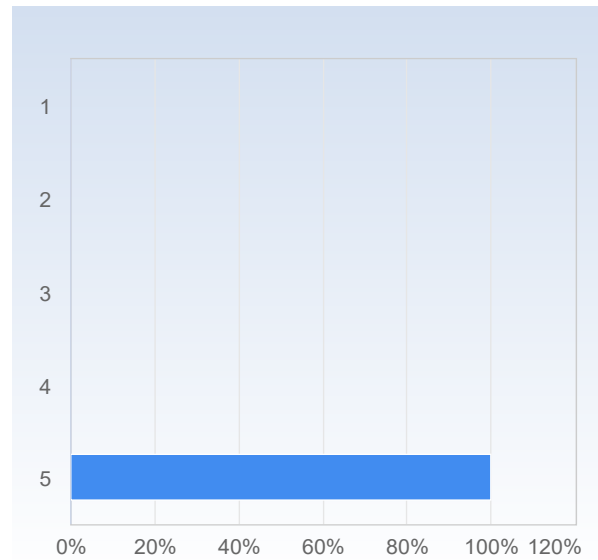
The information I received before the course start was satisfactory.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5	4 (100.0%)
Total	4 (100.0%)



The information I received before the course start was satisfactory.	Mean	Standard Deviation
	5.0	0.0

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

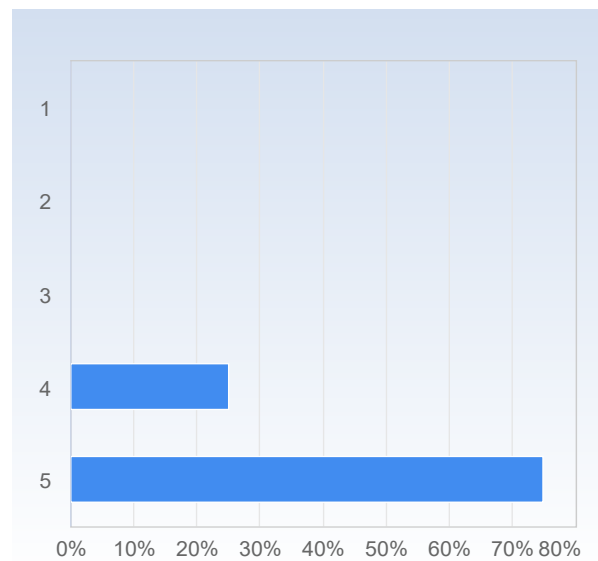
The communication with the teaching staff during the course was good.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5	4 (100.0%)
Total	4 (100.0%)



	Mean	Standard Deviation
The communication with the teaching staff during the course was good.	5.0	0.0

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

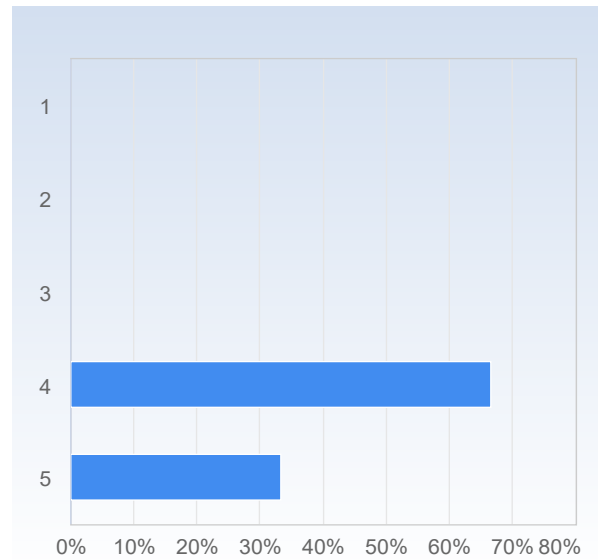
It was clear throughout the course what was expected of me.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (25.0%)
5	3 (75.0%)
Total	4 (100.0%)



	Mean	Standard Deviation
It was clear throughout the course what was expected of me.	4.8	0.5

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

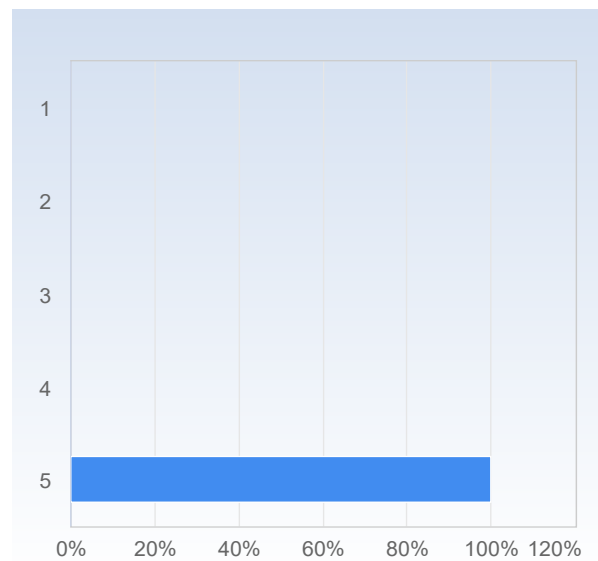
I have received valuable feedback from my teacher /teachers during the course.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	2 (66.7%)
5	1 (33.3%)
Total	3 (100.0%)



I have received valuable feedback from my teacher/teachers during the course.	Mean	Standard Deviation
	4.3	0.6

The course had a reasonable workload.

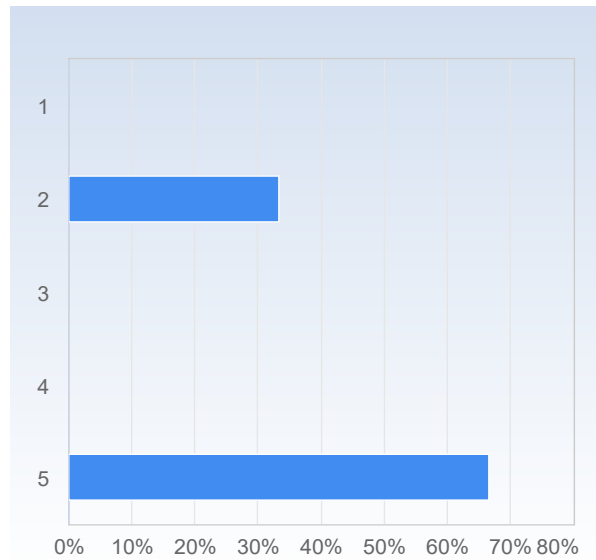
The course had a reasonable workload.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5	4 (100.0%)
Total	4 (100.0%)



The course had a reasonable workload.	Mean	Standard Deviation
	5.0	0.0

The workload was evenly distributed throughout the course.

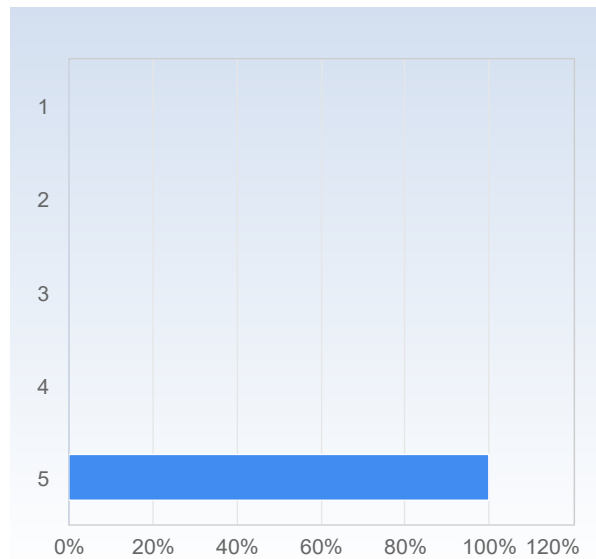
The workload was evenly distributed throughout the course.	Number of responses
1	0 (0.0%)
2	1 (33.3%)
3	0 (0.0%)
4	0 (0.0%)
5	2 (66.7%)
Total	3 (100.0%)



The workload was evenly distributed throughout the course.	Mean	Standard Deviation
	4.0	1.7

The examination matched the contents and level of the course.

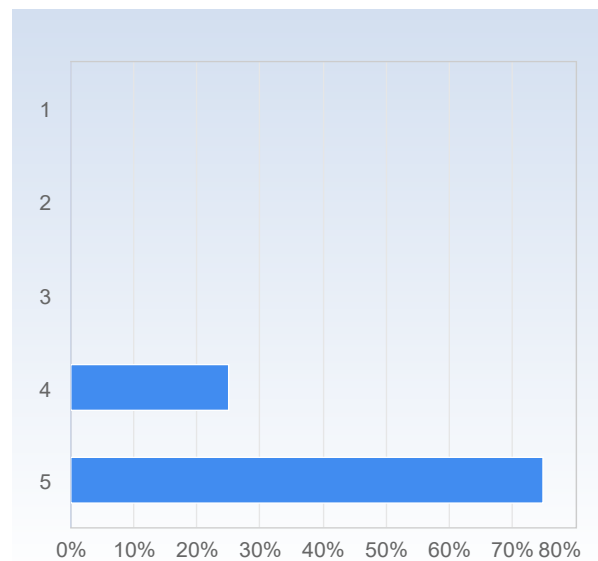
The examination matched the contents and level of the course.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5	4 (100.0%)
Total	4 (100.0%)



The examination matched the contents and level of the course.	Mean	Standard Deviation
	5.0	0.0

Overall, I am satisfied with the course.

Overall, I am satisfied with the course.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (25.0%)
5	3 (75.0%)
Total	4 (100.0%)



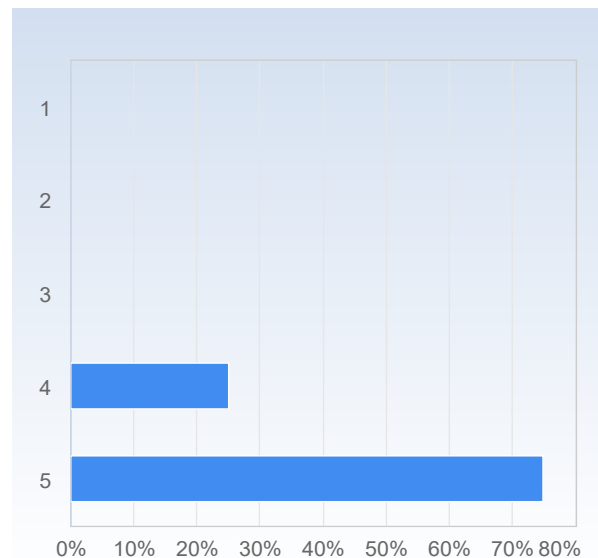
	Mean	Standard Deviation
Overall, I am satisfied with the course.	4.8	0.5

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.

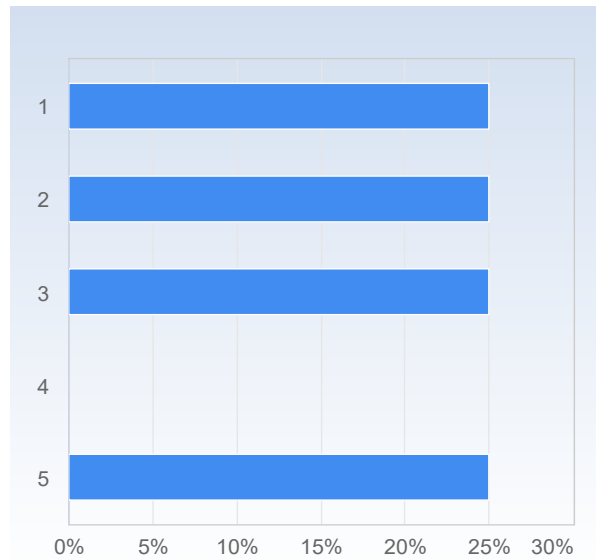
The course has increased my ability to read a mathematical text.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (25.0%)
5	3 (75.0%)
Total	4 (100.0%)



	Mean	Standard Deviation
The course has increased my ability to read a mathematical text.	4.8	0.5

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

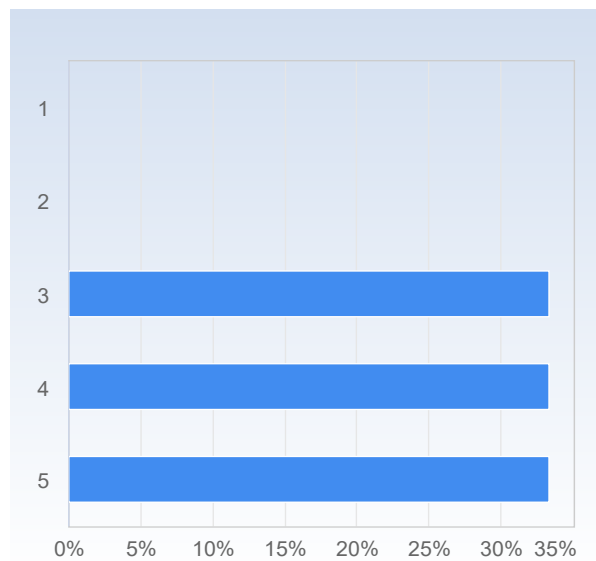
The course has increased my ability to communicate the subject in writing.	Number of responses
1	1 (25.0%)
2	1 (25.0%)
3	1 (25.0%)
4	0 (0.0%)
5	1 (25.0%)
Total	4 (100.0%)



	Mean	Standard Deviation
The course has increased my ability to communicate the subject in writing.	2.8	1.7

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

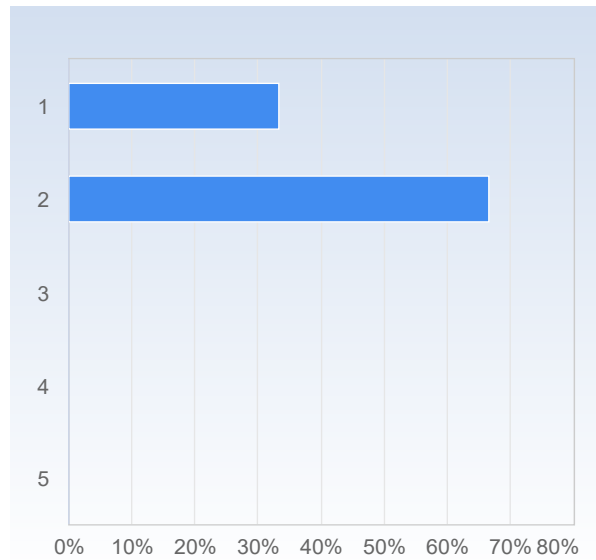
The course has increased my ability to communicate the subject orally.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (33.3%)
4	1 (33.3%)
5	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The course has increased my ability to communicate the subject orally.	4.0	1.0

The course has increased my ability to cooperate.

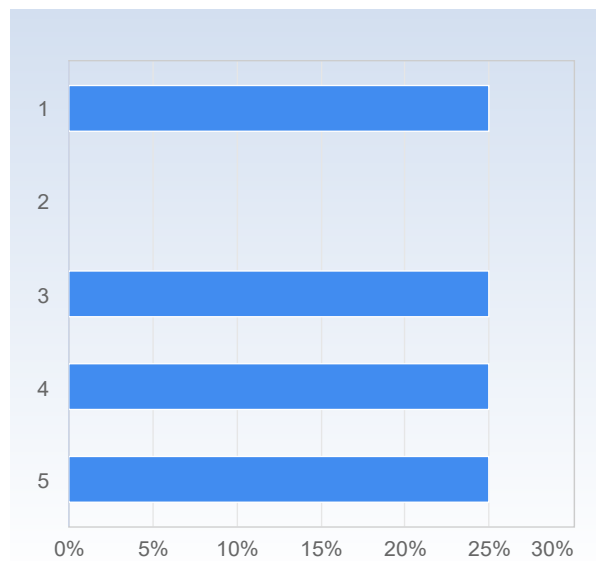
The course has increased my ability to cooperate.	Number of responses
1	1 (33.3%)
2	2 (66.7%)
3	0 (0.0%)
4	0 (0.0%)
5	0 (0.0%)
Total	3 (100.0%)



The course has increased my ability to cooperate.	Mean	Standard Deviation
	1.7	0.6

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

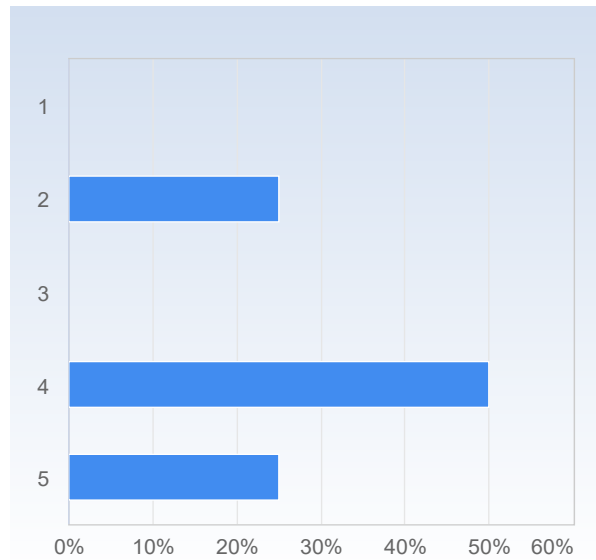
The course has increased my ability to search and process information.	Number of responses
1	1 (25.0%)
2	0 (0.0%)
3	1 (25.0%)
4	1 (25.0%)
5	1 (25.0%)
Total	4 (100.0%)



The course has increased my ability to search and process information.	Mean	Standard Deviation
	3.2	1.7

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

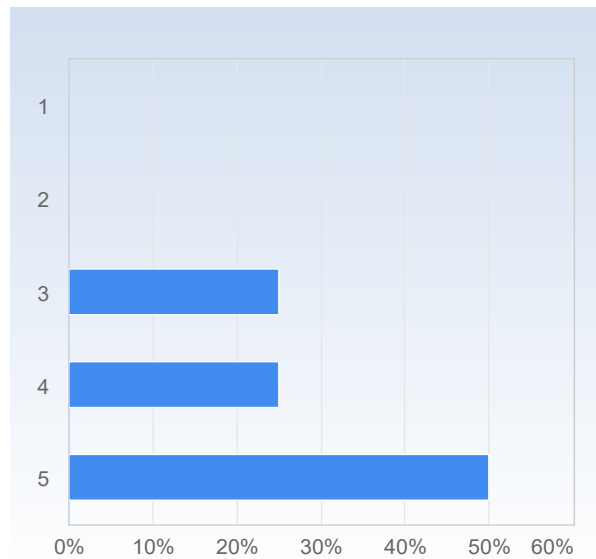
The course has increased my ability to analyze and solve problems.	Number of responses
1	0 (0.0%)
2	1 (25.0%)
3	0 (0.0%)
4	2 (50.0%)
5	1 (25.0%)
Total	4 (100.0%)



	Mean	Standard Deviation
The course has increased my ability to analyze and solve problems.	3.8	1.3

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 (25.0%)
4	1 (25.0%)
5	2 (50.0%)
Total	4 (100.0%)



	Mean	Standard Deviation
As a result of this course, I feel confident about tackling unfamiliar problems.	4.2	1.0