LUND UNIVERSITY
Faculty of Science

Centre for Mathematical Sciences
Division of Mathematics, Faculty of Science

Course Analysis for MATM37 Ordinary Differential Equations II, spring 2024

Course Information

Lecturer: Erik Wahlén
Number of students:
10 newly registered and 1 re-registered
2 students answered the course evaluation, all enrolled in the Master's Programme in Mathematics

Examination

Oral examination: 7 students passed (after two resits).
Written examination: 7 students passed (after two resits).

- Ordinary examination 15/3 2024: 4 students participated and 3 of them passed.
- Resit examination 19/8 2024: 4 students participated and 2 of them passed.
- Resit examination 26/8 2024: 2 students participated and 2 of them passed

Final grades:
In all, 7 students have received their final grade:
2 passed with distinction,
5 passed.

Course Evaluation

Summary of students' answers:
Since only two students participated in the evaluation, one should be very careful in drawing conclusions from the answers. With that said, the students who answered were generally very satisfied with the course. The main suggestion was to only sketch some of the longer proofs and let the students read them in detail on their own.

Teacher's comments:
The course was given on half-speed throughout the first half of the spring semester. There were two lectures and one seminar per week (double hours) were the students (and sometimes the teacher) presented solutions to the homework exercises on the blackboard. The examination consisted of a written exam followed by an oral exam, as well as compulsory written assignment. While 11 students were registered on the course, fewer students followed the course actively until the end. 7 students passed the course.
The course works well as it is. The book is well-written, suited for this group of students and contains good exercises. The comment about the proofs might refer to the section about Liénard equations. I went through the proofs, but would probably skip them in the future since they are quite long and technical. I think it's better to leave this out and have more time for the final chapter on chaotic systems. The number of students was pretty low compared to a few years ago. It would be good to analyze this and see if the course offering in differential equations can be improved.

Changes from the previous course realisation:
I didn't make any major changes compared to the previous realisation.

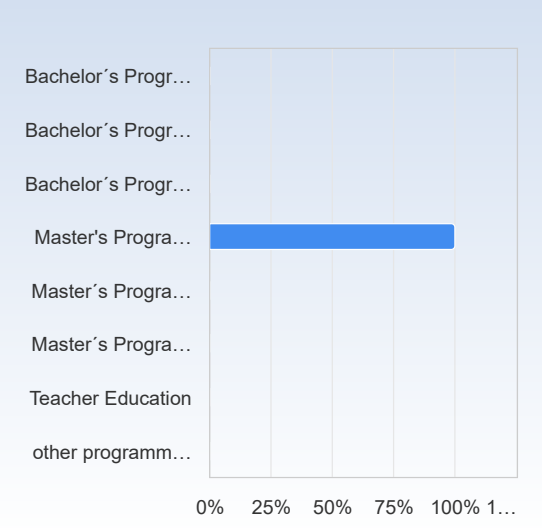
Suggestions for the next course realisation:
See above under teacher's comments.

MATM37 VT24

Respondents: 14
Answer Count: 2
Answer Frequency: 14.29%

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	2 (100.0%)
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	2 (100.0%)



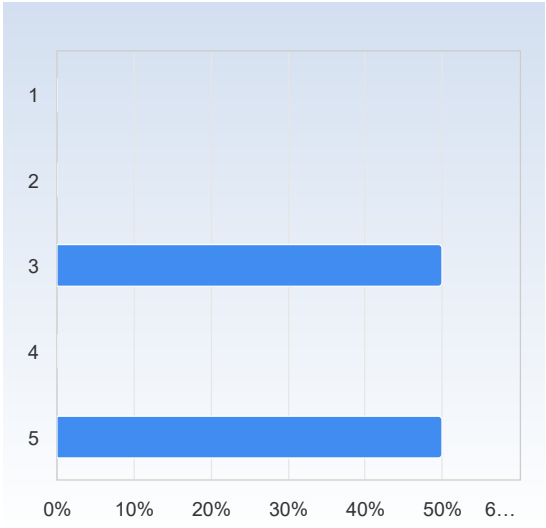
	Mean	Standard Deviation
I have studied this course as part of	4.0	0.0

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.

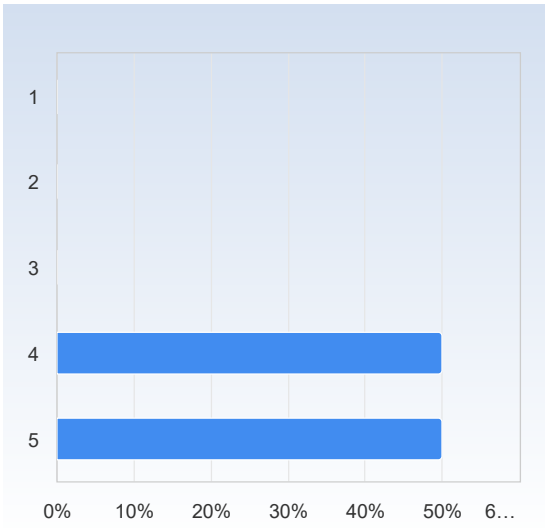
The course has increased my ability to read a mathematical text.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (50.0%)
4	0 (0.0%)
5	1 (50.0%)
Total	2 (100.0%)



	Mean	Standard Deviation
The course has increased my ability to read a mathematical text.	4.0	1.4

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

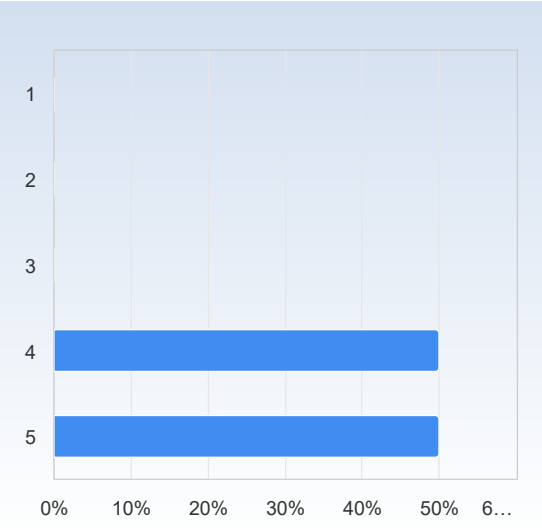
The course has increased my ability to communicate the subject in writing.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (50.0%)
5	1 (50.0%)
Total	2 (100.0%)



	Mean	Standard Deviation
The course has increased my ability to communicate the subject in writing.	4.5	0.7

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

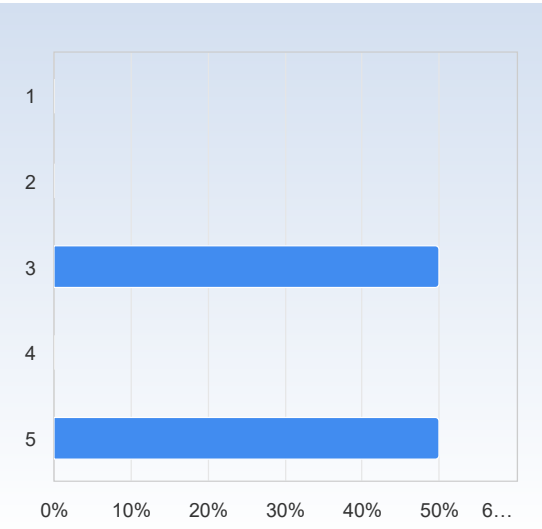
The course has increased my ability to communicate the subject orally.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (50.0%)
5	1 (50.0%)
Total	2 (100.0%)



	Mean	Standard Deviation
The course has increased my ability to communicate the subject orally.	4.5	0.7

The course has increased my ability to cooperate.

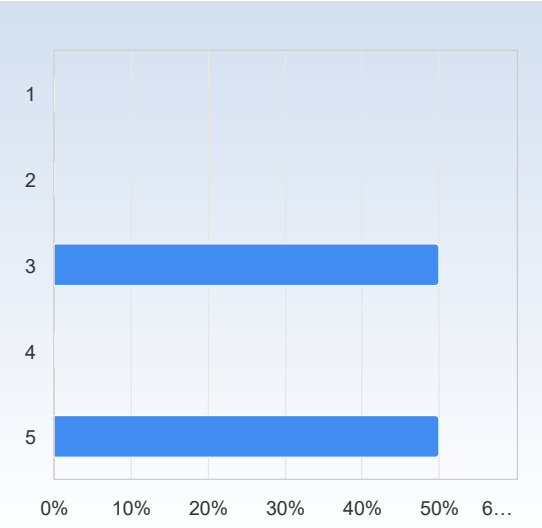
The course has increased my ability to cooperate.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (50.0%)
4	0 (0.0%)
5	1 (50.0%)
Total	2 (100.0%)



	Mean	Standard Deviation
The course has increased my ability to cooperate.	4.0	1.4

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

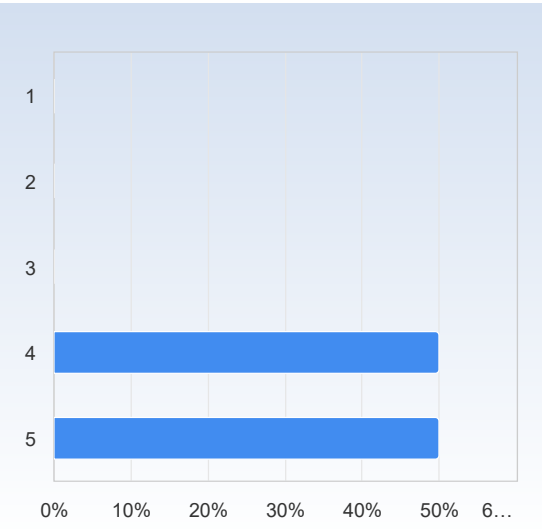
The course has increased my ability to search and process information.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (50.0%)
4	0 (0.0%)
5	1 (50.0%)
Total	2 (100.0%)



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



	Mean	Standard Deviation
The course has increased my ability to analyze and solve problems.	4.5	0.7