



**LUND**  
UNIVERSITY

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Centre for Mathematical Sciences

*Tatyana Turova Schmeling*

## Course Analysis for

### **MATM30 Mathematical Foundations of Probability, Autumn 2023**

#### **Course Information**

Lecturer: Tatyana Turova

Number of students:

21 newly registered and 3 re-registered.

The number of students attending and passing this course steadily increases (there were 17 registered students in 2022). The attendance of the lectures was also higher. About 16 students participated regularly lectures and seminars.

#### **Examination**

Ordinary examination 17/1 2024: 13 students participated and 11 of them passed.

Extra examination date: 24/1 2024: 1 student passed.

Final grades:

12 students, including 0 re-registered students, have got their final grade:

5 passed with distinction.

7 passed.

#### **Course evaluation**

8 students answered the course evaluation.

Overall the students are very positive about the course.

There was a comment that the course has overlap with a certain other course, but that is not a quite accurate statement.

Overwhelming majority of students appreciate the lectures. Also the conductance of the seminars where the theory is vividly discussed with students at the blackboard, works well. It is always assumed that the students work first on the problems home.

The oral examination is a good part of the educational process as well. All the students are given opportunity to improve the grade should they want to.

The past evaluations were also positive. Therefore when compared to the previous course realisation in 2022 no real changes in the structure have been made.

### **Future planning**

One may suggest for the next course realisation to try to begin research projects individually.

Given increasingly positive result with this course I appeal to the Administration to consider implementing a following course in Stochastic processes within a graduate program in mathematics at LU. I believe this should attract a sufficient amount of students.

In case there are students interested I am always ready to have extra meetings for discussing more probability projects.

The students in this course are coming with very different background in mathematics. The students without proper mathematical training could be advised to take another course in probability first (e.g., MASC01).

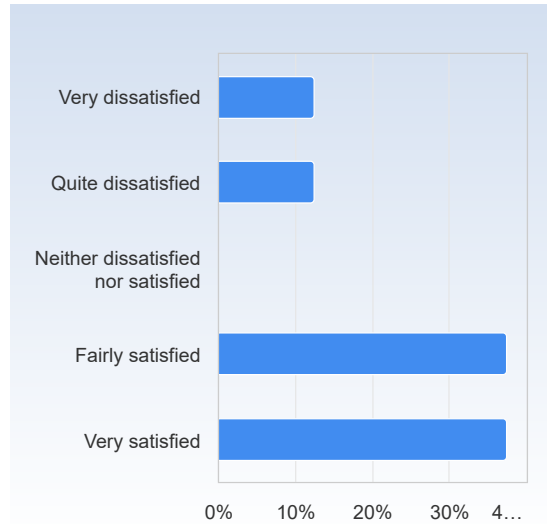
Tatyana Turova

## Mathematical Foundations of Probability, Autumn 2023

Respondents: 27  
 Answer Count: 8  
 Answer Frequency: 29.63%

### How satisfied are you with the course overall?

How satisfied are you with the course overall?	Number of responses
Very dissatisfied	1 (12.5%)
Quite dissatisfied	1 (12.5%)
Neither dissatisfied nor satisfied	0 (0.0%)
Fairly satisfied	3 (37.5%)
Very satisfied	3 (37.5%)
Total	8 (100.0%)

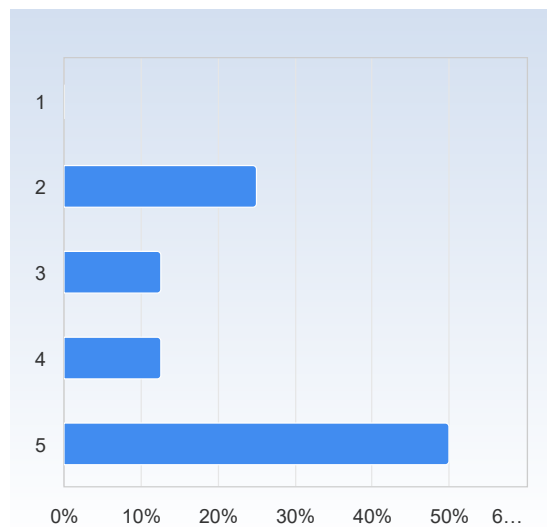


	Mean	Standard Deviation
How satisfied are you with the course overall?	3.8	1.5

To what degree did each course component below contribute to your learning during the course? Make your assessment on a scale of 1 to 5 where 1=to a very low degree and 5=to a very high degree.

### Lectures

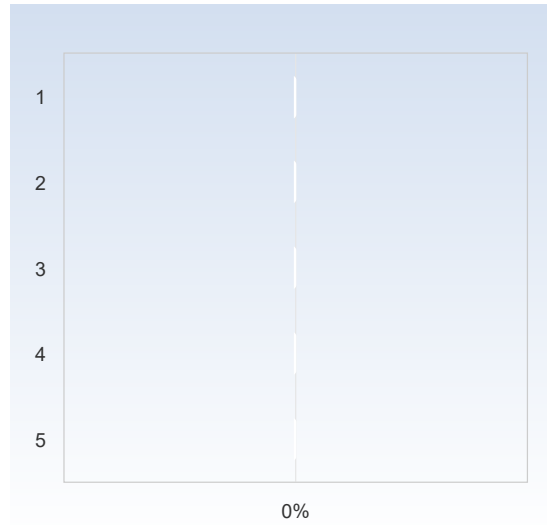
Lectures	Number of responses
1	0 (0.0%)
2	2 (25.0%)
3	1 (12.5%)
4	1 (12.5%)
5	4 (50.0%)
Total	8 (100.0%)



	Mean	Standard Deviation
Lectures	3.9	1.4

### Laboratory exercises

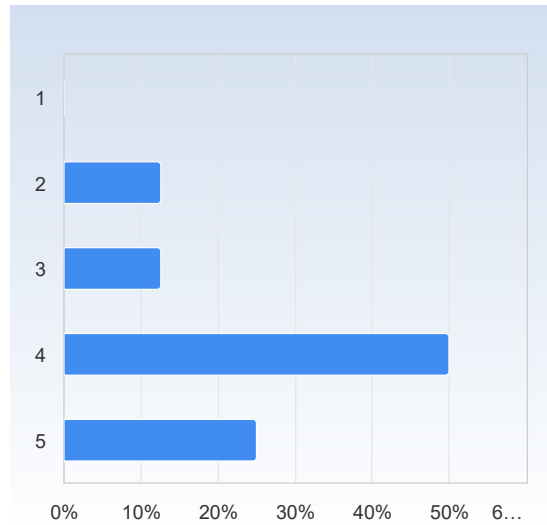
Laboratory exercises	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5	0 (0.0%)
Total	0 (0.0%)



	Mean	Standard Deviation
Laboratory exercises	0.0	0.0

### Required reading

Required reading	Number of responses
1	0 (0.0%)
2	1 (12.5%)
3	1 (12.5%)
4	4 (50.0%)
5	2 (25.0%)
Total	8 (100.0%)



	Mean	Standard Deviation
Required reading	3.9	1.0

## How was your prior knowledge at the start of the course?

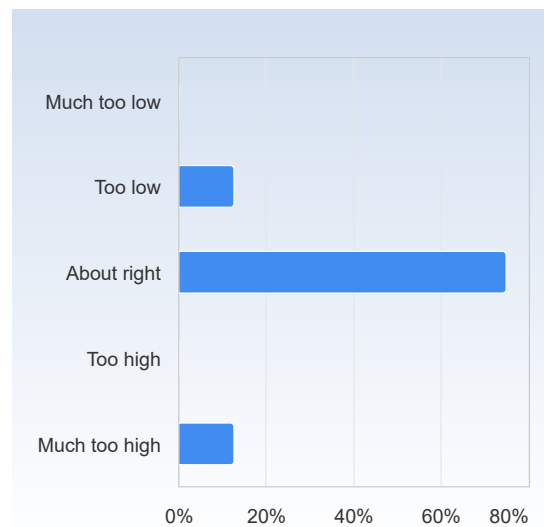
How was your prior knowledge at the start of the course?	Number of responses
My prior knowledge was insufficient	2 (25.0%)
My prior knowledge was sufficient but not more	3 (37.5%)
My prior knowledge was good	3 (37.5%)
Total	8 (100.0%)



	Mean	Standard Deviation
How was your prior knowledge at the start of the course?	2.1	0.8

## How did you feel about the requirements on your work efforts during the course?

How did you feel about the requirements on your work efforts during the course?	Number of responses
Much too low	0 (0.0%)
Too low	1 (12.5%)
About right	6 (75.0%)
Too high	0 (0.0%)
Much too high	1 (12.5%)
Total	8 (100.0%)



	Mean	Standard Deviation
How did you feel about the requirements on your work efforts during the course?	3.1	0.8

## If you have any further comments on the course, please write them here:

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Such a fun and interesting course! I really appreciated both the lectures and the seminars, it was fun to have us all present/try to solve problems no one had managed quite fully together as a group on the blackboard. Excellent overall.

I felt like there was too much overlap between this course and the basic course in Mathematical Statistics MASA02, as well as the course on Integration Theory MATM39.

It could be a good substitute in case the sum of those two is excessive for some students, however. I personally feel like this course would be more suitable for first-cycle studies.

The lectures were really useful.

Lectures were very much helpful for my understanding of the material. Teacher's explanation of the subject was great!