

LUND UNIVERSITY Faculty of Science

### Course Analysis for MATB25 Discrete Mathematics, spring 2024

### Course Information

Lecturer: Frank Wikström Teaching assistants: Frank Wikström, Jan Thomm Number of students: 24 newly registered and 10 re-registered. 7 students answered the CEQ (which is joint with FMAB75, the LTH course).

#### Examination

Assignment: 24 students passed. Oral examination: 18 students passed. Written examination: 18 students passed.

Ordinary examination 13/3 2024: 21 students participated and 15 of them passed.
Resit examination 20/8 2024: 5 students participated and 3 of them passed.

#### Final grades:

In all, 18 students, including 2 re-registered students, have got their final grade. 10 passed with distinction. 8 passed.

### Course Evaluation

#### Summary of student's answers: See enclosed CEQ

#### **Teachers' comments:**

All lectures were given live on campus. The attendance at the lectures was good, but few students showed up for the tutorials, and we quickly merged the two tutorial groups (originally, there was one group scheduled for the students from the science faculty and one group for the students from the engineering faculty).

Examination was done in two stages: one written exam followed by an short oral exam. There was also a mandatory programming exercise for the students at the science faculty.

#### Changes from the previous course realisation:

No major changes were made, since it was the first time I gave the course.

#### Suggestions for the next course realisation:

I would suggest adding a few lectures to the course and using the extra time to expand the graph theory section which right now is very shallow and mostly contains definitions. It would, for example, make sense to include some of the standard algorithms for shortest paths and minimal spanning trees, as well as adding some material on graph colourings.

# **Course evaluation report - CEQ, FMAB75**

### **Basic facts**

Course name	<b>Discrete Mathematics</b>	
Course code	FMAB75	Study hours according
ECTS credits	7.5 hp	the curricula
Year	202324	Lectures 54 h
Study period the course was finished	VT_LP1	Group work 0 h
Programme	all	Laboratories 0 h
Registrated students	54	Time with 2 h
Number answers and response rate	7 / 13 %	supervisor
Number answers from males	6	Self study time 144 h
Number answers from females	1	

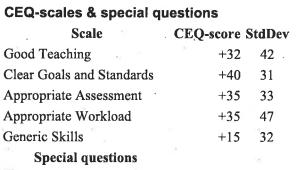
Since less than 20 students have answared the questionnaire no statistical significance tests have been made.

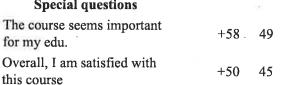
# **Summary of questionnaires**

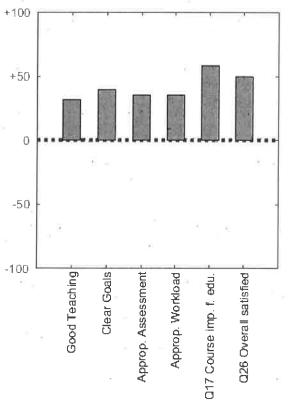
The CEQ-score span between -100 och +100, there -100 means that "I fully disagree to the statement" and +100 "I fully agree to the statement".

### **Presence at teaching**

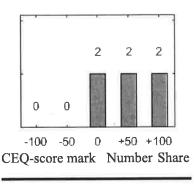
Number Share					
1 14 %					
0,0%					
0 0 %					
2 29 %					
0 0 %					
4 57 %					





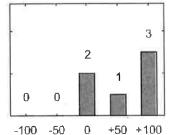


# "Overall, I am satisfied with this course"



Dissatisfied (<0) Neutral (0) Satisfied (>0) No answer	0 0% 2 29% 4 57% 1 14%
Mean of CEQ-score	+50
Standard deviation (StdDev)	45

Distribution of the answers from question 17: Distribution of the answers from question 26: "The course seems important for my education"

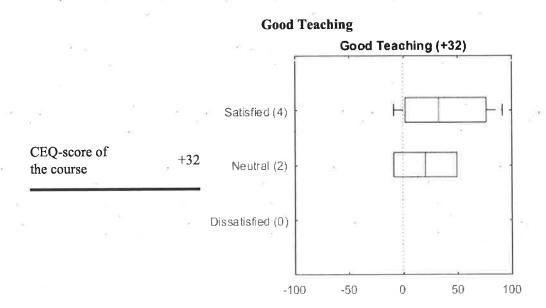


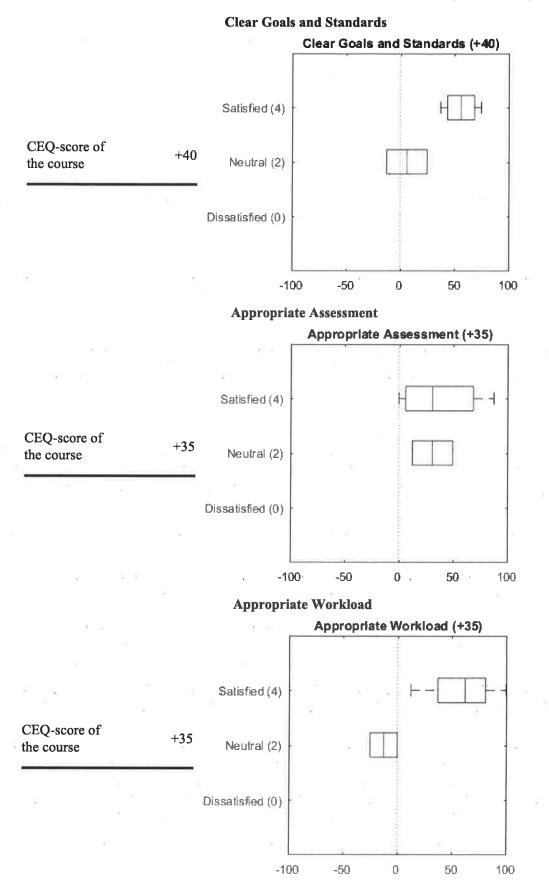
CEQ-score mark Number Share

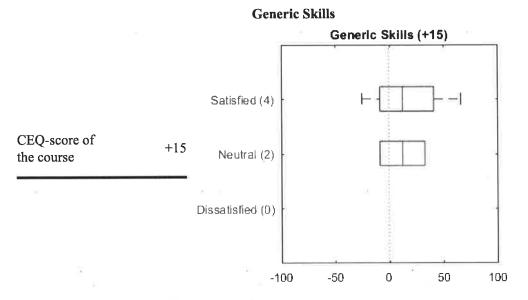
-100	0 0 %	)
-50	0 0 %	)
+0	2 29 %	)
+50	1 14 %	)
+100	3 43 %	)
		•
Mean of CEQ-score -	+58	3
Standard deviation (StdDev)	49	)
(SILLDEV)		

# Summary scales divided on satisfaction

Statistical examination has not been done due to at least two groups consist of less than five students







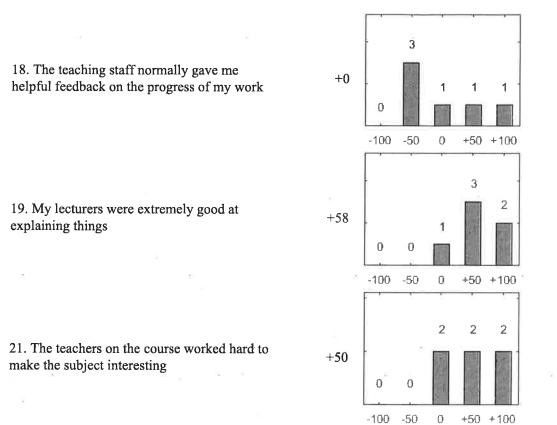
# Answers to each question

### The questions in bold are reverse positive.

Statistical examination between dissatisfied and satisfied has not been done due to at least one of the groups consist of less than five students

### Good Teaching (+32)

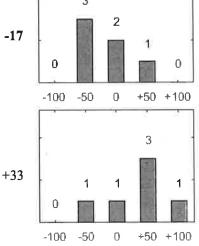
Question	CEQ-score	Histogram					
		<u> </u>		,			Ê
				2	2	2	
3. The teaching has motivated me to do my best	+50	0	0			ALC: NOT OF	
		-100	-50	0	+50	+100	
		5	N.			· ·	
· · · · · · · · · · · · · · · · · · ·		2	x	<u>,</u> 2	2		<u> </u>
7. During the course I have received many valuable comments on my achievements	-25		1	1			*
12 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -			120			0	
		-100	-50	0	+50	+100	
a 6			1.2		3		
15. The teachers made a real effort to understand the problems and difficulties one might be having in this course	+50	0	0	1		1	
		-100	-50	0	+50	+100	



### **Clear Goals and Standards (+40)**

Question	CEQ-score	Histogram						
1. It was easy to know the standard of work expected	+50							
	164 227	-100 -50 0 +50 +100						
6. I usually had a clear idea of where I was going and what was expected of me in this course	+58	-100 -50 0 +50 +100						

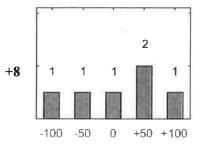
3 2 13. It was often hard to discover what was -17 expected of me in this course 1 0 0 -100 -50 0 3 25. The teachers made it clear right from the +33 start what they expected from the students 1 1 1 Ó



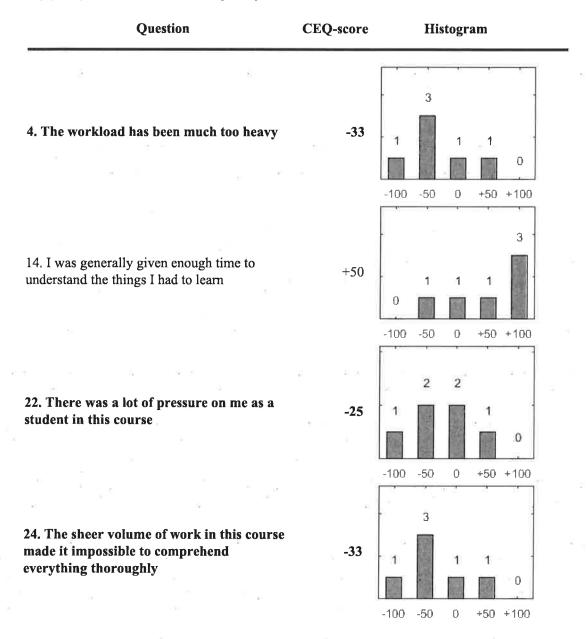
### **Appropriate Assessment (+35)**

Question	CEQ-score	Histogram						
-	2)	4						
8. To do well in this course all you really needed was a good memory	-25	1 1						
		-100 -50 0 +50 +100						
12. The teachers seemed more interested i		3						
testing what I had memorised than what I had understood	-67							
	- <sup>6)</sup>	-100 -50 0 +50 +100						
16. The assessment methods employed in the course required an in-depth understanding of								
the course content		0 0						

20. Too much of the assessment was just about facts



### **Appropriate Workload (+35)**



# Generic Skills (+15)

Question	CEQ-score	Histogram					
2. The course has developed my problem-solving skills	+50	0	0	2	2	2	2
5. The course has sharpened my analytic skills	+58	0	0	1	3	2	
9. The course helped me develop my ability to work in a group	-42	-100	-50	3	0	+100	
10. The course has made me feel more confident about tackling new and unfamiliar problems	+50	-100 0	-50 0 -50	0 2 0	+50 2 +50	+100 2 2 +100	. 14 11
<ul><li>11. The course has improved my skills in written communication</li><li>23. The course has helped me to develop the</li></ul>	+0 -25	-100	2 -50 2	3	0 .	1 +100	
ability to plan my work	-25	-100	-50	0		0 +100	

2024-04-24

8/9

### Free text answers

The free text answers are pre-reviewed by the students' representives.

### What were the best aspects of the course

### Satisfied students

We could get answers to the exercises and additional knowledge in the exercise sessions.

Good that we were not bombarded with obligatory quiz and assignments. Up to each person to study.

Neutral students

**Dissatisfied students** 

### What aspects of the course are most in need of improvement?

### Satisfied students

That I am allowed to take a hand written cheat sheet into the exam, such that the testing is less about memorising facts and more about understanding concepts.

The exercise session could better point out knowledge that we should know but didn't have the time to cover in the lecture.

### Neutral students

**Dissatisfied students**