Course Analysis for MATC61 Optimization
Autumn 2023

Course Information

Lecturer: Stefan Diehl
Teaching assistants: Andreas Langer, Jaime Manriquez, Marc Runft
Number of students:
3 newly registered and 3 re-registered.
Of 116 registered students at FMAN61 (Faculty of engineering) and MATC61, 25 students answered the joint course evaluation.

Examination

Programming Assignment: 2 students passed.
Written examination: 2 students passed.

- Ordinary examination 11/1 2024: 0 student participated.
- Resit examination 2/4 2024: 3 students participated and 2 of them passed.

Final grades:
In all, 1 student, including 0 re-registered students, has got their final grade.
0 passed with distinction.
1 passed.

Course Evaluation

Summary of student's answers:
On an average, the students were satisfied with the course and the teaching.

Teachers' comments:
Traditional lectures were given, exercise classes, computer laboratory exercises and a group project. The lectures followed closely a newly written preliminary textbook by the lecturer. Most of the exercises in the book provide full solutions.

Unfortunately, the participation rate was low at the lectures and the exercise sessions. Many students failed the first exam.

Changes from the previous course realisation:
The novelty this year was that a new course book was used.

Suggestions for the next course realisation:
Since most of the students were satisfied with the course, no major changes will be made next year.

Course evaluation report - CEQ, FMAN61

Basic facts

|				
Course name	**Optimization**			
Course code	FMAN61		**Study hours according**	
ECTS credits	7.5 hp		**the curricula**	
Year	202324		Lectures	32 h
Study period the course was finished	HT_LP2		Group work	14 h
Programme	all (I)		Laboratories	4 h
Registered students	116		Time with supervisor	2 h
Number answers and response rate	25 / 22 %			
Number answers from males	20		Self study time	148 h
Number answers from females	5			

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

Part of teaching	Number	Share
0 %	0	0 %
20 %	2	8 %
40 %	5	20 %
60 %	3	12 %
80 %	7	28 %
100 %	8	32 %

CEQ-scales & special questions

Scale	CEQ-score	StdDev
Good Teaching	+50	36
Clear Goals and Standards	+33	47
Appropriate Assessment	+64	32
Appropriate Workload	+6	51
Generic Skills	+50	29
Special questions		
The course seems important for my edu.	+71	39
Overall, I am satisfied with this course	+60	46
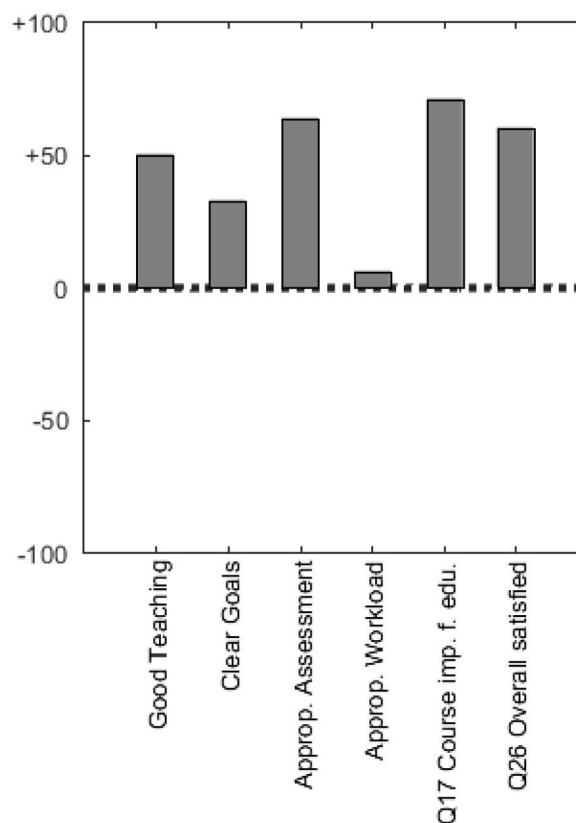
Distribution of the answers from question 26: "Overall, I am satisfied with this course"

CEQ-score mark	Number	Share
Dissatisfied (<0)	0	0 %
Neutral (0)	8	32 %
Satisfied (>0)	17	68 %
No answer	0	0 %

Mean of CEQ-score	+60
Standard deviation (StdDev)	46
Males	+60
Females	+60

Distribution of the answers from question 17: "The course seems important for my education"
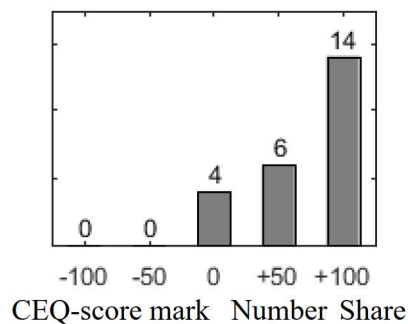
CEQ-score mark	Number	Share
-100	0	0 %
-50	0	0 %
+0	4	16 %
+50	6	24 %
+100	14	56 %

Mean of CEQ-score	+71
Standard deviation (StdDev)	39
Males	+68
Females	+80

Summary scales divided on satisfaction

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

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

Good Teaching (+50)

CEQ-score of the course   +50

Statistical significant distinction between neutrals and satisfied

Clear Goals and Standards
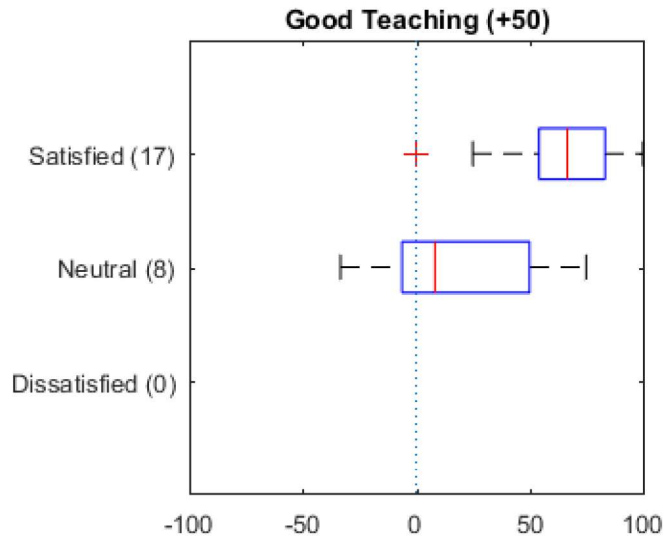
Clear Goals and Standards (+33)

CEQ-score of the course   +33

No statistical significant distinction

Appropriate Assessment
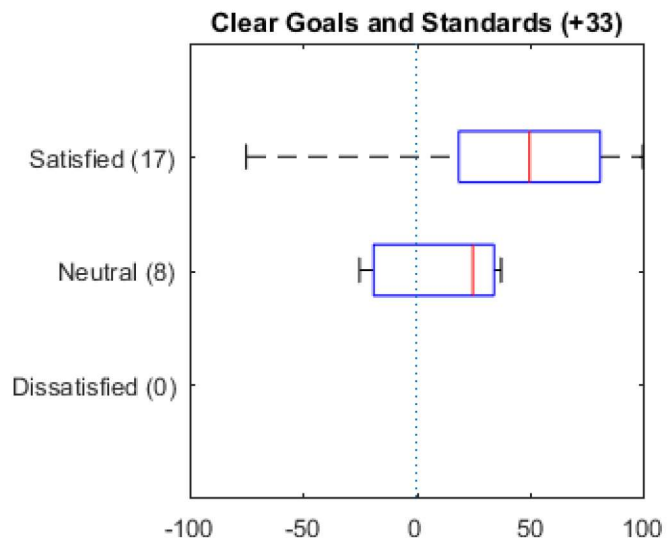
Appropriate Assessment (+64)

CEQ-score of the course   +64

No statistical significant distinction
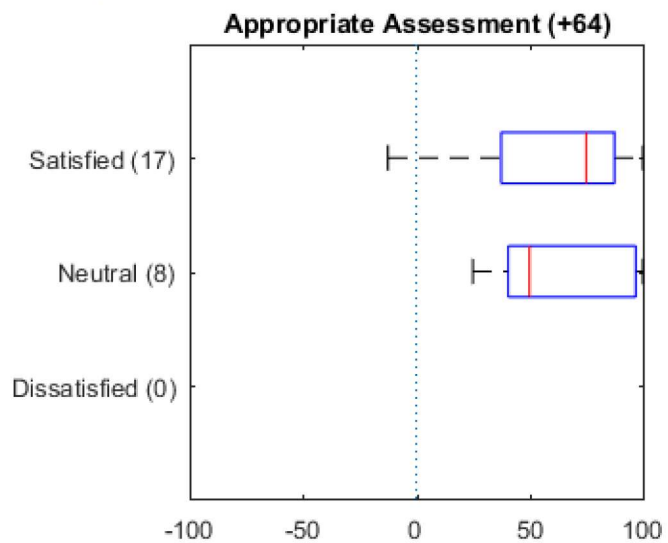
Appropriate Workload

CEQ-score of the course   +6

No statistical significant distinction
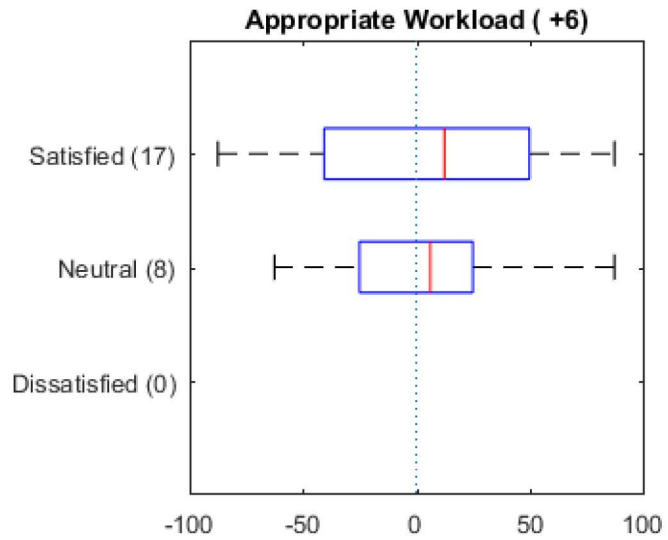
Generic Skills

CEQ-score of the course   +50

Statistical significant distinction between neutrals and satisfied
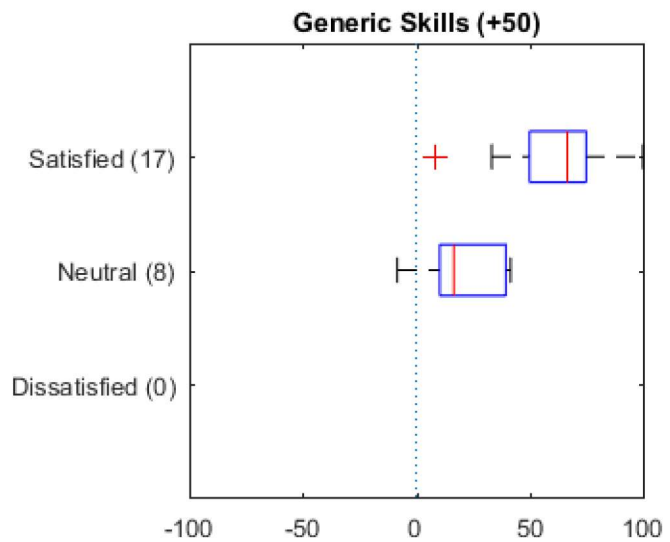
Answers to each question

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
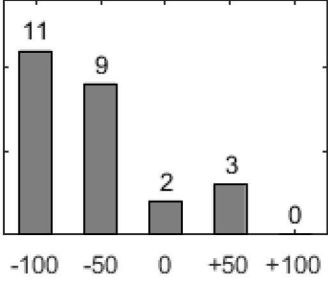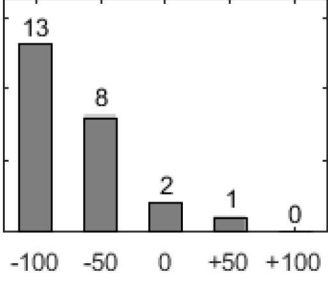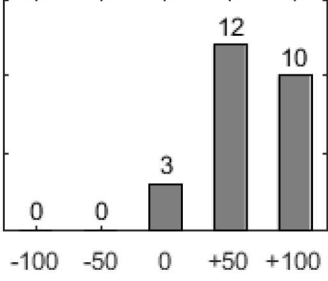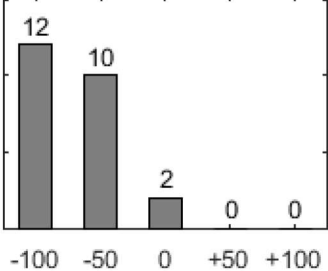
Good Teaching (+50)

Question	CEQ-score	Histogram

3. The teaching has motivated me to do my best — +56

-100	-50	0	+50	+100
0	4	1	8	12

7. During the course I have received many valuable comments on my achievements — +26

-100	-50	0	+50	+100
1	3	5	11	3

15. The teachers made a real effort to understand the problems and difficulties one might be having in this course — +50

-100	-50	0	+50	+100
0	1	6	10	8

18. The teaching staff normally gave me helpful feedback on the progress of my work — +32

-100	-50	0	+50	+100
1	2	5	14	3

19. My lecturers were extremely good at explaining things — +58

-100	-50	0	+50	+100
0	0	7	7	11

21. The teachers on the course worked hard to make the subject interesting — +70

-100	-50	0	+50	+100
0	0	3	9	13

Clear Goals and Standards (+33)

Question	CEQ-score	Histogram
1. It was easy to know the standard of work expected	+38	
6. I usually had a clear idea of where I was going and what was expected of me in this course	+36	
13. It was often hard to discover what was expected of me in this course	**-30**	
25. The teachers made it clear right from the start what they expected from the students	+22	

Appropriate Assessment (+64)

Question	CEQ-score	Histogram

8. To do well in this course all you really needed was a good memory — **-56**

| -100 | -50 | 0 | +50 | +100 |
| 11 | 9 | 2 | 3 | 0 |

12. The teachers seemed more interested in testing what I had memorised than what I had understood — **-69**

| -100 | -50 | 0 | +50 | +100 |
| 13 | 8 | 2 | 1 | 0 |

16. The assessment methods employed in this course required an in-depth understanding of the course content — **+64**

| -100 | -50 | 0 | +50 | +100 |
| 0 | 0 | 3 | 12 | 10 |

20. Too much of the assessment was just about facts — **-71**

| -100 | -50 | 0 | +50 | +100 |
| 12 | 10 | 2 | 0 | 0 |

Appropriate Workload (+6)

Question	CEQ-score	Histogram

4. The workload has been much too heavy — **-8**

14. I was generally given enough time to understand the things I had to learn — **+38**

22. There was a lot of pressure on me as a student in this course — **+16**

24. The sheer volume of work in this course made it impossible to comprehend everything thoroughly — **+6**

Generic Skills (+50)

Question	CEQ-score	Histogram

2. The course has developed my problem-solving skills — +78

5. The course has sharpened my analytic skills — +60

9. The course helped me develop my ability to work in a group — +34

10. The course has made me feel more confident about tackling new and unfamiliar problems — +62

11. The course has improved my skills in written communication — +25

23. The course has helped me to develop the ability to plan my work — +29