Course evaluation report - CEQ, FMAN25

Basic facts

Course name	Calculus of Variations	
Course code	FMAN25	Study hours according
ECTS credits	7.5 hp	the curricula
Year	202324	Lectures 16 h
Study period the course was finished	VT_LP2	Group work 0 h
Programme	all	Laboratories 0 h
Registrated students	37	Time with 0 h
Number answers and response rate	5 / 14 %	supervisor
Number answers from males	2	Self study time 84 h
Number answers from females	2	

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

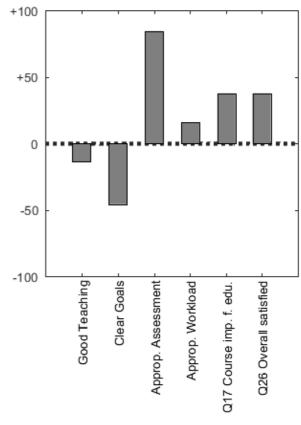
Summary of questionnaires

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".

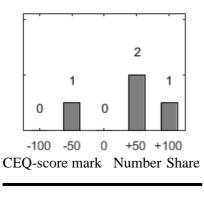
Presence at teaching

Part of teaching	Number Share
0 %	3 60 %
20 %	1 20 %
40 %	0 0 %
60 %	1 20 %
80 %	0 0 %
100 %	0 0 %

CEQ-scales & special questions			
Scale	CEQ-score	StdDev	
Good Teaching	-14	50	
Clear Goals and Standards	-46	14	
Appropriate Assessment	+84	31	
Appropriate Workload	+16	60	
Generic Skills	-14	55	
Special questions			
The course seems important for my edu.	+38	75	
Overall, I am satisfied with this course	+38	63	

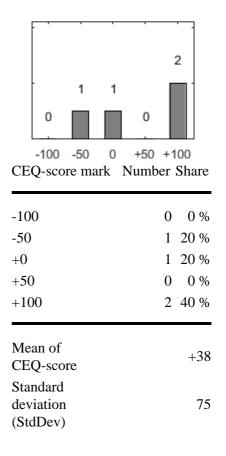


Distribution of the answers from question 26: "The course seems important for my "Overall, I am satisfied with this course"



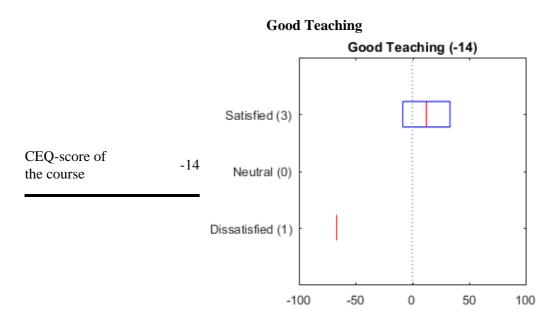
Dissatisfied (<0)	1	20 %
Neutral (0)	0	0 %
Satisfied (>0)	3	60 %
No answer	1	20 %
Mean of		120
Mean of CEQ-score		+38
Niculi of		+38
CEQ-score		+38

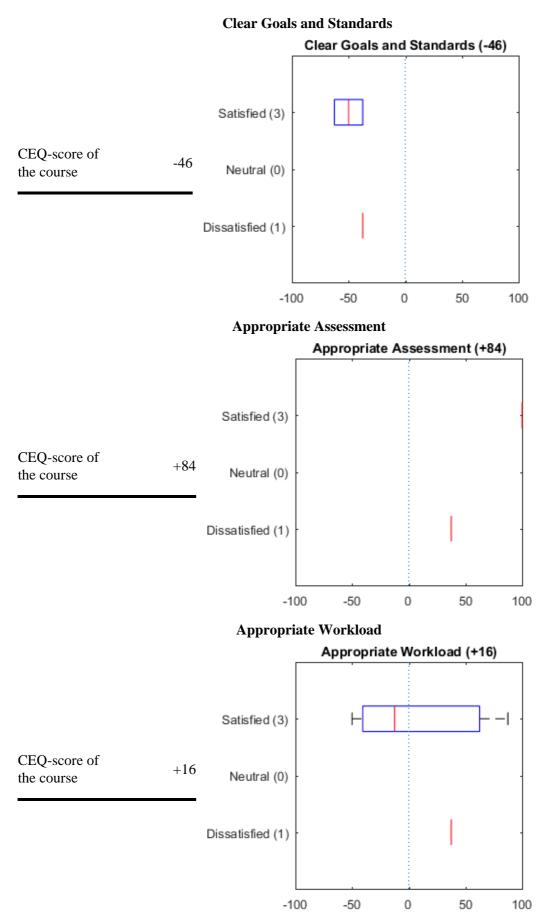
Distribution of the answers from question 17: education"

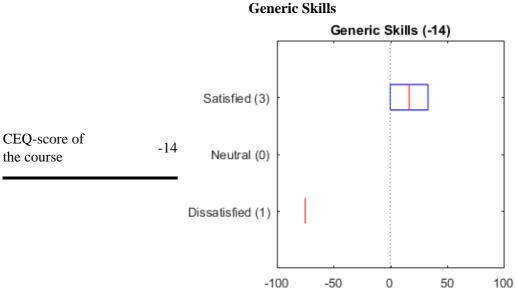


Summary scales divided on satisfaction

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







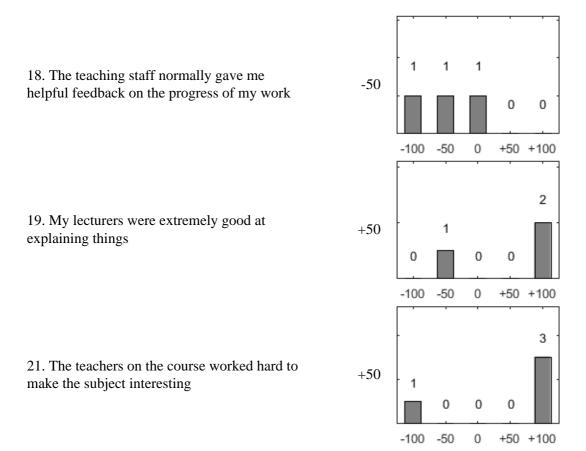
Answers to each question

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 (-14)

Question	CEQ-score	Histogram
3. The teaching has motivated me to do my best	t +17	2
7. During the course I have received many valuable comments on my achievements	-67	2 1 0 0 0 -100 -50 0 +50 +100
15. The teachers made a real effort to understand the problems and difficulties one might be having in this course	-25	2 1 1 1 0 0 0 -50 0 +50 +100



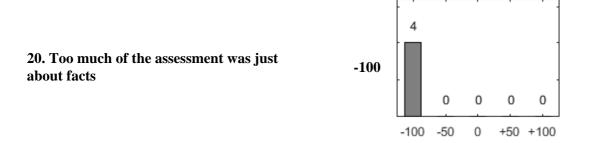
Clear Goals and Standards (-46)

Question	CEQ-score	Histogram
1. It was easy to know the standard of work expected	-67	
6. I usually had a clear idea of where I was going and what was expected of me in this course	-50	-100 -50 0 +50 +100 1 1 1 1 0 0
		-100 -50 0 +50 +100

2 13. It was often hard to discover what was +33 1 expected of me in this course 0 0 0 -100 -50 0 +50 +100 2 25. The teachers made it clear right from the +01 1 start what they expected from the students 0 0 -100 -50 0 +50 +100

Appropriate Assessment (+84)

Question	CEQ-score	Histogram
8. To do well in this course all you really needed was a good memory	-88	3 1 0 0 0 -100 -50 0 +50 +100
12. The teachers seemed more interested in testing what I had memorised than what I had understood	-88	-100 -50 0 +50 +100
16. The assessment methods employed in this course required an in-depth understanding of the course content	+63	-100 -50 0 +50 +100



Appropriate Workload (+16)

Question	CEQ-score	Histogram
4. The workload has been much too heavy	+0	-100 -50 0 +50 +100
14. I was generally given enough time to understand the things I had to learn	+25	-100 -50 0 +50 +100
22. There was a lot of pressure on me as a student in this course	+13	2 1 1 1 0 0 -50 0 +50 +100
24. The sheer volume of work in this course made it impossible to comprehend everything thoroughly	-50	2 2 0 0 0 -100 -50 0 +50 +100

Generic Skills (-14)

Question	CEQ-score	Histogram
2. The course has developed my problem-solving skills	+50	2 1 1 1 0 0 0 -100 -50 0 +50 +100
5. The course has sharpened my analytic skills	+50	2 1 1 1 0 0 0 -100 -50 0 +50 +100
9. The course helped me develop my ability to work in a group	-100	3
10. The course has made me feel more confident about tackling new and unfamiliar problems	+25	-100 -50 0 +50 +100 2 1 1 0 0 1 -100 -50 0 +50 +100
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	-13	-100 -50 0 +50 +100 2 1 1 1 0 0 1 1 -100 -50 0 +50 +100

Free text answers

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

What were the best aspects of the course

Satisfied students

Intressant kurs och inspirerande föreläsare. Väldigt bra på att förklara och bra videor på canvas!

Föreläsaren var mycket bra på att presentera innehållet och förklara!

Neutral students

Dissatisfied students

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

Satisfied students

This concerns only the LTH-side of the course: I feel that we at the engineering mathematics program get the opportunity to study this course way too late. This is not at all with regards to difficulty, but rather since it could give great background to later courses. This is not unprecedented, since other courses are given this treatment such as algebraic structures (which is deemed an advanced course on both LTH and NF). I personally feel that I would have gotten much more out of courses such as functional analysis or even applied mathematics ("kontinuerliga system") if I had read calculus of variations beforehand.

Even if not too many students would want to study more than full time, having Calculus of Variations as an extra alternative will at least get it on the minds of many that it is something worth reading.

Jag tyckte det var svårt att veta vilken nivå man behövde ligga på för att få godkänt. Det skulle vara bra om man visade hur man förväntas dubbelkolla sina lösningar. Hemtentorna tar väldigt lång tid. Har pratat med andra som också tycker det är väldigt stort arbete

Hemtentorna var en otroligt hög arbetsbelastning, la säkert 80h sammanlagt på dom. Hade varit bättre med en vanlig tenta, eller mer jämn arbetsbelastning över kursens gång.

Neutral students

Dissatisfied students