Course evaluation report - CEQ, FMAN25

Basic facts

Course name	Calculus of Variations		
Course code	FMAN25	Study hours acc	ording
ECTS credits	7.5 hp	the curricula	U
Year	202021	Lectures	34 h
Study period the course was finished	VT_LP2	Group work	0 h
Programme	all	Laboratories	0 h
Registrated students	26	Time with	0 h
Number answers and response rate	10 / 38 %	supervisor	0 11
Number answers from males	8	Self study time	166 h
Number answers from females	0		

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

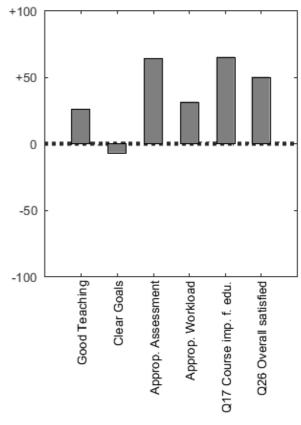
Summary of questionnaires

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".

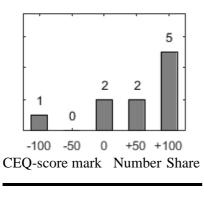
Presence at teaching

Part of teaching	Number	Share
0 %	0	0 %
20 %	1	10 %
40 %	0	0 %
60 %	1	10 %
80 %	5	50 %
100 %	1	10 %

CEQ-scales & special questions			
Scale	CEQ-score S	StdDev	
Good Teaching	+26	61	
Clear Goals and Standards	-7	68	
Appropriate Assessment	+64	49	
Appropriate Workload	+31	52	
Generic Skills	+16	69	
Special questions			
The course seems important for my edu.	+65	34	
Overall, I am satisfied with this course	+50	67	

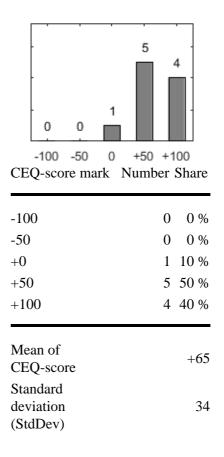


Distribution of the answers from question 26: "The course seems important for my "Overall, I am satisfied with this course"



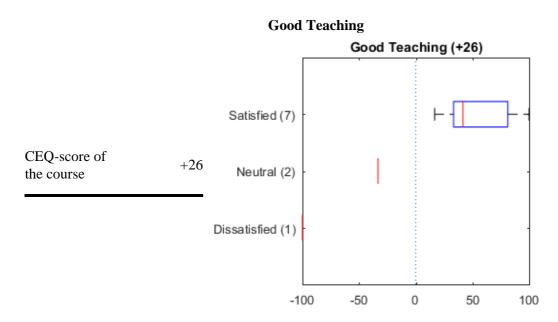
Dissatisfied (<0)	1	10 %
Neutral (0)	2	20 %
Satisfied (>0)	7	70 %
No answer	0	0 %
Mean of		50
Mean of CEQ-score		+50
Nieun or		+50
CEQ-score		+50 67

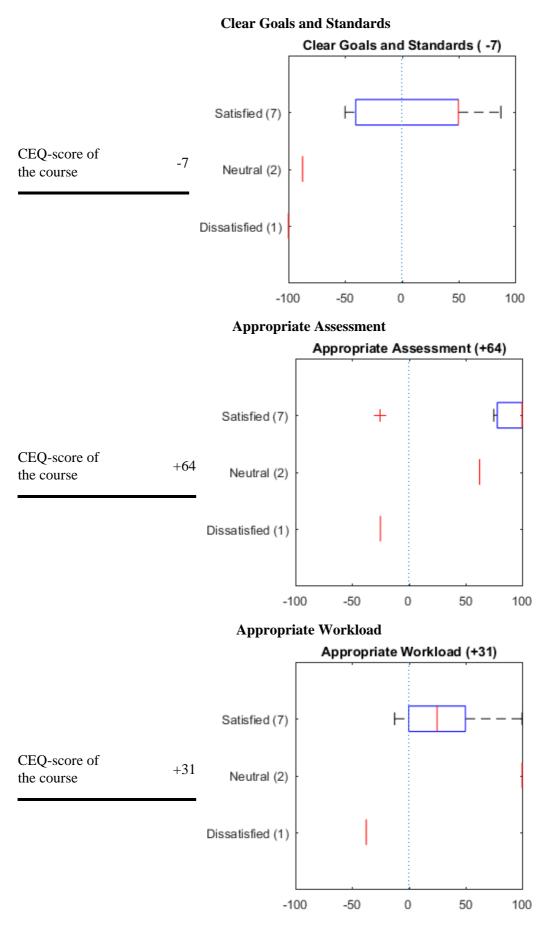
Distribution of the answers from question 17: education"

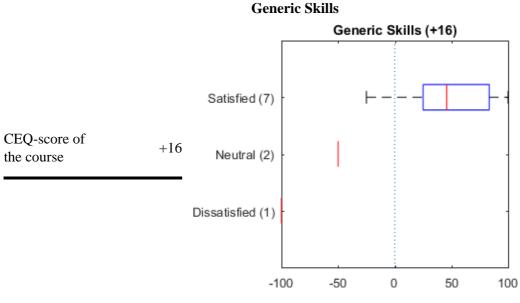


Summary scales divided on satisfaction

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







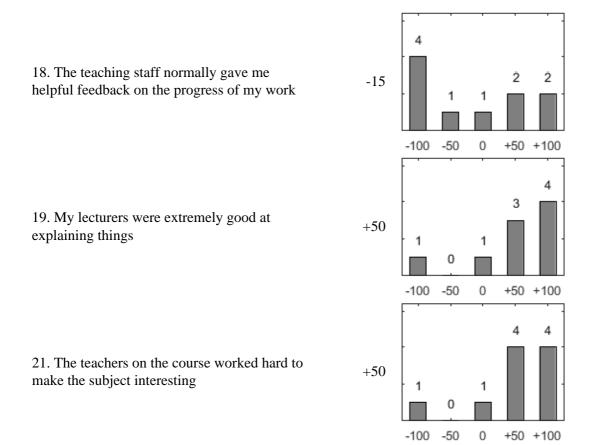
Answers to each question

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

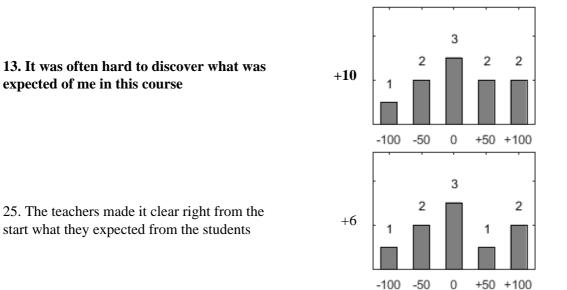
Good Teaching (+26)

Question	CEQ-score	Histogram
3. The teaching has motivated me to do my best	+25	-100 -50 0 +50 +100
7. During the course I have received many valuable comments on my achievements	-10	4 2 2 2 2 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	+28	-100 -50 0 +50 +100



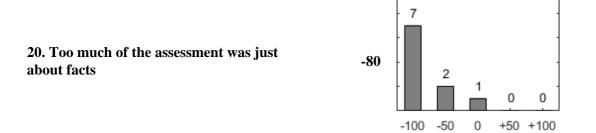
Clear Goals and Standards (-7)

Question	CEQ-score	Histogram
1. It was easy to know the standard of work expected	-5	
6. I usually had a clear idea of where I was going and what was expected of me in this course	-15	-100 -50 0 +50 +100 3 3 3 2 1 1 1 -100 -50 0 +50 +100



Appropriate Assessment (+64)

Question	CEQ-score	Histogram
8. To do well in this course all you really needed was a good memory	-60	
12. The teachers seemed more interested in testing what I had memorised than what I had understood	-65	-100 -50 0 +50 +100 6 2 1 1 0
16. The assessment methods employed in this course required an in-depth understanding of the course content	+50	-100 -50 0 +50 +100 5 3 1 1 0 -100 -50 0 +50 +100



Appropriate Workload (+31)

Question	CEQ-score	Histogram
4. The workload has been much too heavy	-25	4 2 1 -100 -50 0 +50 +100
14. I was generally given enough time to understand the things I had to learn	+39	2 1 1 1100 -50 0 +50 +100
22. There was a lot of pressure on me as a student in this course	-10	-100 -50 0 +50 +100
24. The sheer volume of work in this course made it impossible to comprehend everything thoroughly	-56	5 2 1 -100 -50 0 +50 +100

Generic Skills (+16)

Question	CEQ-score	Histogram
2. The course has developed my problem-solving skills	+40	4 3 1 0 -100 -50 0 +50 +100
5. The course has sharpened my analytic skills	+50	4 4 1 1 -100 -50 0 +50 +100
9. The course helped me develop my ability to work in a group	-39	6 2 0 0 -100 -50 0 +50 +100
10. The course has made me feel more confident about tackling new and unfamiliar problems	+40	4 1 1 1 1 -100 -50 0 +50 +100
11. The course has improved my skills in written communication	+6	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
23. The course has helped me to develop the ability to plan my work	-20	-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

En mycket bra och intressant kurs. Andrey verkar väldigt passionerad när han föreläser och det är jättetrevligt att höra! Texten på videon har varit mycket lättläst, och färganvändningen är pedagogisk.

Very good video lectures! Very educational teacher

The best thing was that the lecturer had made very high quality material, very well organized videos and beautiful, very nice to read material, using a computer program to write.

Given that we have experienced mostly poor quality hand written material during the pandemic and poor quality videos with non clear handwriting, this course was really heavenly.

I am really grateful for Andrey's consideration of all these important factors and the effort he has put on creating excellent course material.

The discussion forum was also a very good feature and the lecturer was always available to reply to questions both on the discussion forum and by email.

It really increased my analytical skills and problem solving ability

Neutral students

Dissatisfied students

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

Satisfied students

Mitt största problem med kursen var fokusrelaterat. Personligen hade det passat mig bättre med live-föreläsningar över zoom istället för inspelade.

Även en video av föreläsaren skulle underlätta tycker jag, bara för att se ansiktet på den som pratar. Men det är ju en smaksak.

Att kursen går på halvfart över en hel termin gör den väldigt svår att passa in på en ordinarie natfak termin. Jag valde att studera 75% under denna termin pga pandemin, och då passade den in. Annars hade jag nog aldrig läst kursen, vilket jag tycker hade varit synd.

Would apprechiate the following!

-More clear info regarding examination (thought the grading was done differently up until the final oral exam).

-More feedback during the course (for example by getting back the first exam before the second one, or by weekly problems to send in and get feedback on)

Hur kommer det sig att vi inte fått resultatet/kommentarer på någondera av de två hemtentorna innan muntan?

Nothing really, it might however be nice to add some more content to the second half of the course, with more theory and deep results.

Neutral students

The course has been given to LTH, Ph. D. and NatFak students, but much information, which has concerned LTH and possibly Ph. D. students only, has been given in a way that made it sound like it was meant for NatFak students too. For example, it was said that at the oral exams, the student's solutions to the written examination would be discussed - and at this point I, as a NatFak student, was relieved, for I cannot stress enough how terribly stressful I find oral exams involving proofs and presentations are; and also I have had oral exams at NatFak only consisting of a discussion of the written exam at other courses, so this could very well have been the case here too - but at a later point it turned out that the oral exams were going to be a serious business with proofs anyway. I believe information needs to be directed in a clearer manner, and perhaps especially to NatFak students.

Dissatisfied students

Firstly, to my knowledge, there was no course representative. We got no feedback on exercises, nor the first exam before writing the second exam etc. The oral exam consisted of a 90 minute interrogation, in which the teacher harshly criticised both of my written exams, without me having the chance to prepare for this he claimed he gave us the chance to correct ourselves, but how could we do so if we solved the exercises to our best knowledge and then weren't even told which exercises were wrong? I don't see any paedagogical value in this, and neither his tone and manner in which he conducted the exam I deem acceptable, fair or professional. On another note, I don't remember being informed about the extraordinary length of the oral exam. If I had been given at least ANY kind of feedback, example solution for practice exam, or similar this oral exam would make sense, but for me it was impossible to turn this into a positive learning experience.