Course evaluation report - CEQ, FMNN25

Basic facts

Course name	Advanced Course in Numerical Algorithms with Python/SciPy		
Course code	FMNN25	Study hours according	
ECTS credits	7.5 hp	the curricula	201
Year	202324	Lectures	28 h
Study period the course was finished	HT_LP1	Group work	0 h
_	all	Laboratories	0 h
Programme		Time with	3 h
Registrated students	60	supervisor	3 11
Number answers and response rate	17 / 28 %	Self study time	169 h
Number answers from males	12	·	
Number answers from females	2		

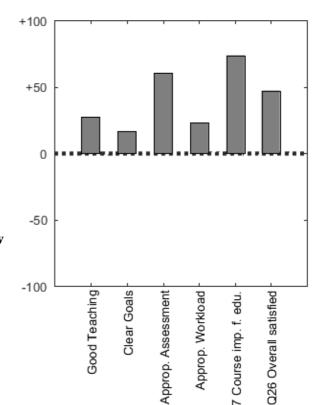
Since less than 20 students have answared the questionnaire no statistical significance tests have been made.

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 S	Share
0 %	1	6 %
20 %	0	0 %
40 %	0	0 %
60 %	1	6 %
80 %	5	29 %
100 %	10	59 %



217 Course imp. f. edu.

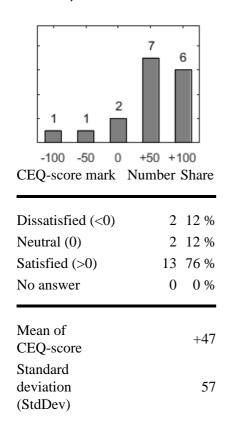
CEQ-scales & special questions

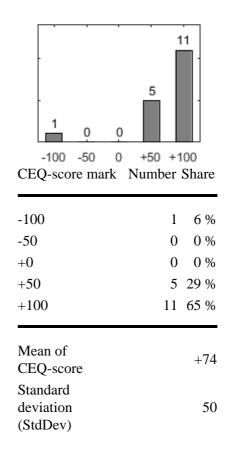
•		
Scale	CEQ-score	StdDev
Good Teaching	+27	60
Clear Goals and Standards	+16	55
Appropriate Assessment	+60	46
Appropriate Workload	+23	56
Generic Skills	+42	41
Special questions		
The course seems important for my edu.	+74	50
Overall, I am satisfied with this course	+47	57

2023-11-28 1/10

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

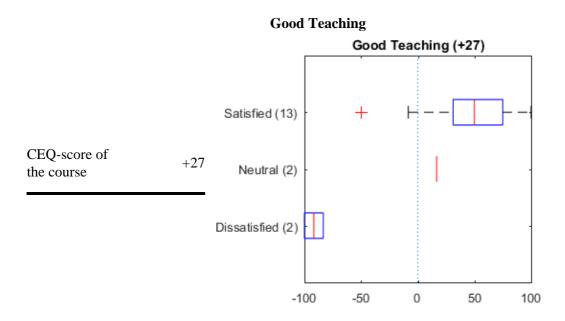
Distribution of the answers from question 17: education"





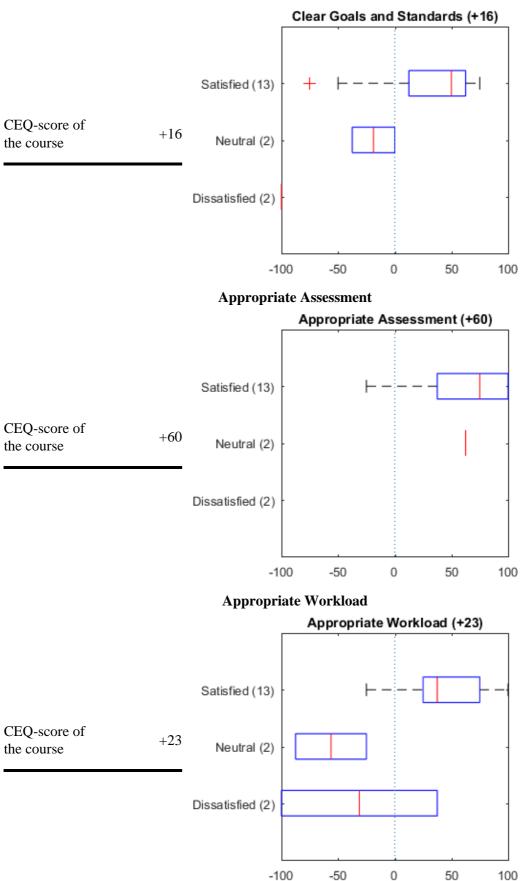
Summary scales divided on satisfaction

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



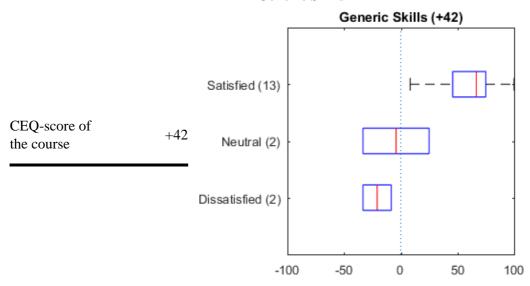
2023-11-28 2/10

Clear Goals and Standards



2023-11-28 3/10

Generic Skills



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 (+27)

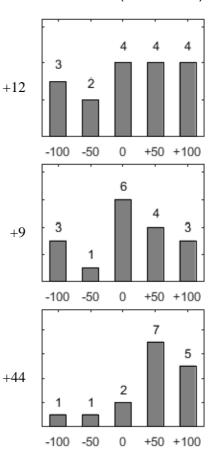
Question	CEQ-score	Histogram
3. The teaching has motivated me to do my best	+32	4 4
7. During the course I have received many valuable comments on my achievements	+26	-100 -50 0 +50 +100 -100 -50 0 +50 +100
15. The teachers made a real effort to understand the problems and difficulties one might be having in this course	+15	-100 -50 0 +50 +100

2023-11-28 4/10

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

19. My lecturers were extremely good at explaining things

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

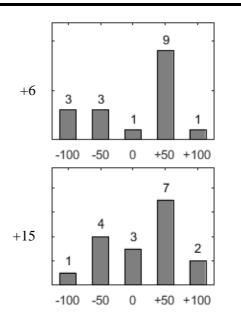


Clear Goals and Standards (+16)

Question CEQ-score Histogram

1. It was easy to know the standard of work expected

6. I usually had a clear idea of where I was going and what was expected of me in this course

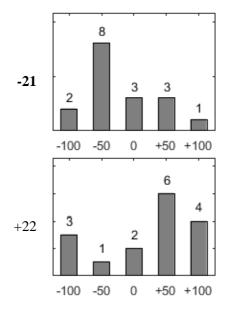


2023-11-28 5/10

13. It was often hard to discover what was expected of me in this course

25. The teachers made it clear right from the

start what they expected from the students



Appropriate Assessment (+60)

course required an in-depth understanding of

the course content

Question **CEQ-score** Histogram 11 8. To do well in this course all you really -65 needed was a good memory 2 2 -100 -50 +50 +100 0 10 12. The teachers seemed more interested in testing what I had memorised than what I -67 3 had understood -100 -50 +50 +100 6 6 16. The assessment methods employed in this

2023-11-28 6/10

+41

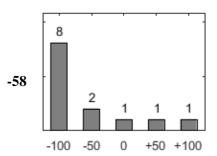
2

-100

-50

+50 +100

20. Too much of the assessment was just about facts



Appropriate Workload (+23)

Question CEQ-score Histogram

4. The workload has been much too heavy

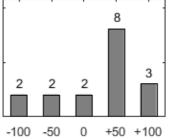
-18

-50

-100

14. I was generally given enough time to understand the things I had to learn

+24

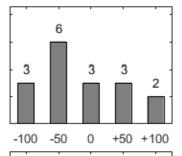


0

+50 +100

22. There was a lot of pressure on me as a student in this course

-15



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

2023-11-28 7/10

Generic Skills (+42)

Question	CEQ-score	Histogram
2. The course has developed my problem-solving skills	+53	9 5 2 1 0 -100 -50 0 +50 +100
5. The course has sharpened my analytic skills	+35	7 5 2 1 2 -100 -50 0 +50 +100
9. The course helped me develop my ability to work in a group	+68	-100 -50 0 +50 +100
10. The course has made me feel more confident about tackling new and unfamiliar problems	+65	-100 -50 0 +50 +100
11. The course has improved my skills in written communication	-12	5 5 5 3 3 1 1 -100 -50 0 +50 +100
23. The course has helped me to develop the ability to plan my work	+44	-100 -50 0 +50 +100

2023-11-28 8/10

Free text answers

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

What were the best aspects of the course

Satisfied students

Alla projekt var roliga.

Väldigt kul att få göra större projekt och stöta på mer verklighetsbaserade problem. Tyckte också det var kul att hamna i grupp med folk med annan bakgrund än en själv. Var lärorikt

I really liked the projects. To build your first simple ANN from scratch, implement quasi-newton methods and to become somewhat familiar with MPI was great fun!

The form of examination was nice, and also nice to use python a bit more. A different style of course, nice to not only read book -> do excersise/labs -> write exam.

The teachers were also approachable and willing to help and answer questions. When the info that the deadlines were "soft" and projects only needed to be sent in a day before the seminar the course made more sense.

Lärorikt med problemlösning i grupp.

It covers different projects that have to be tackled using useful techniques

Föreläsarna var mycket engagerade och gjorde kursinnehållet intressant.

I feel like I have improved a lot with regards to coding and working together on a code. Learning about git was great!

Neutral students

Roliga projekt

Dissatisfied students

Första projekten var intressant och givande.

Good explanation when we actually received some. They are flexible with presentations

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

Satisfied students

Det ska vara tydligare vad som ska göras och vad som är valfritt i projekten.

Lite mer utförlig examination, man vill ju ändå få visa det man har gjort

2023-11-28 9/10

2023 HT_LP1 FMNN25 CEQ Course evaluation ver 9.0 (2021-01-23) LTH

To be frank, I have done some sort of AI implementation on the MNIST dataset at least three times already in previous courses. Maybe updating the problem to something more recent and interesting should be considered. I would personally want a more thorough description of Attack when training.

It could be nice to help randomize groups. The instructions to project 3 was somewhat hard to understand. Hard to balance the load in the groups.

Föreläsning krockade nästan alltid. Eftersom min specialisering inte innehåller så många kurser i lp1 delade jag detta problem med flera studenter. Som tur är förstod man det mesta materialet utifrån föreläsningsslides.

Vi hade en i gruppen som i princip bara gick på semenariumet. Det saknas incitament för att rapportera sådant beteende så vi lät personen i fråga vara med i vår grupp ändå. Resultatet är att personen blev godkänd i kursen utan att ha gjort nästan någonting.

The slides should be complemented with notes because sometimes they are not enough

Även om det är bra att öva på grupparbete så tyckte jag att fem personer per grupp var för många för att alla skulle få nåt att göra. Tre personer per grupp hade varit mer lagom.

The last project was extremely rushed. There was still 2 weeks left in the first half semester so even if it was nice ending early, it would have been great to have more than 5 days to do the final project.

Neutral students

Komplicerad till en grad att jag iaf inte har kunnat förstå så mycket. Tycker det hade varit bra om det var förklarat bättre hur labbarna skulle utföras.

Dissatisfied students

The projects lack any good written information to lean upon if you did not understand everything during the lecture.

For example first AI project. Please provide written notes on the principles for I had not encountered these concepts before which made me really nervous about the basics and unable to provide for the project.

Also please supply more conceptual instructions in the project descriptions.

2023-11-28 10/10