# Course evaluation report - CEQ, FMSF15

## **Basic facts**

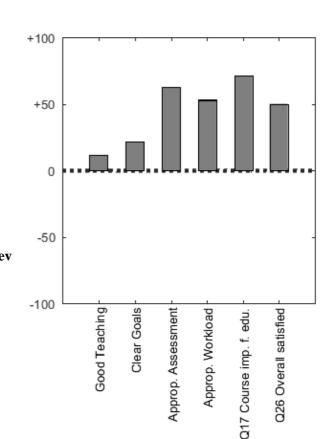
Course name	Markov Processes		
Course code	FMSF15	Study hours according the curricula	
ECTS credits	7.5 hp		
Year	202324	Lectures 26 h	
Study period the course was finished	HT_LP1	Group work 16 h	
Programme	all	Laboratories 6 h	
Registrated students	68	Time with 0 h	
Number answers and response rate	21 / 31 %	supervisor	
Number answers from males	12	Self study time 140 h	
Number answers from females	7		

# **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 10 %
40 %	1 5 %
60 %	7 33 %
80 %	5 24 %
100 %	6 29 %



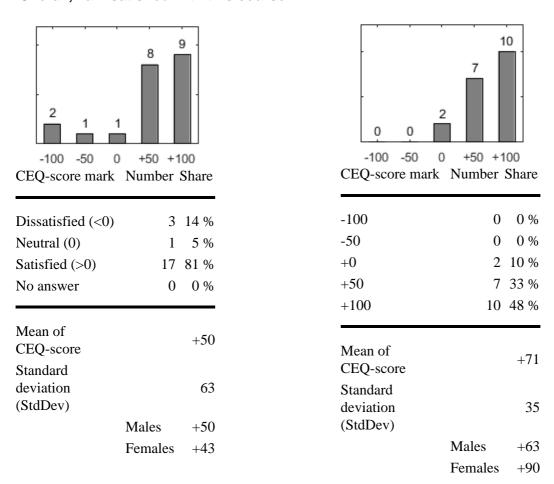
### **CEQ-scales & special questions**

Scale	<b>CEQ-score</b>	StdDe
Good Teaching	+11	43
Clear Goals and Standards	+22	52
Appropriate Assessment	+63	28
Appropriate Workload	+53	44
Generic Skills	+12	39
<b>Special questions</b>		
The course seems important for my edu.	+71	35
Overall, I am satisfied with this course	+50	63

2023-11-23

### 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"

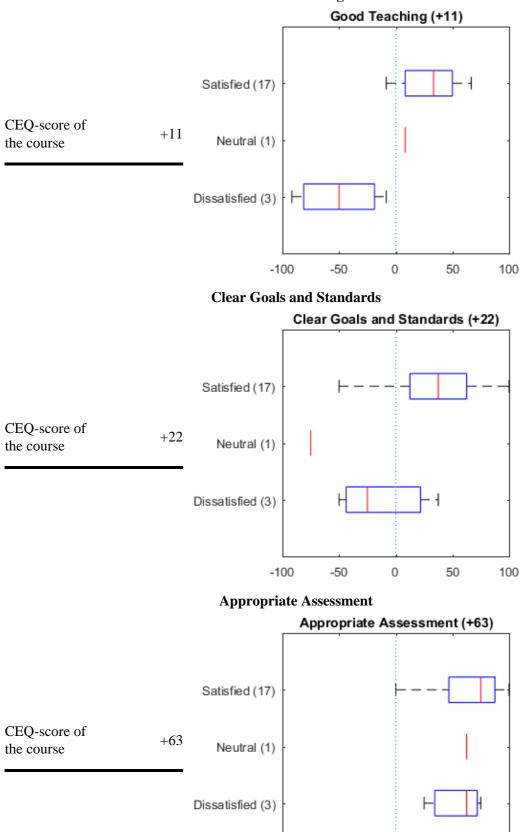


# Summary scales divided on satisfaction

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

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### **Good Teaching**



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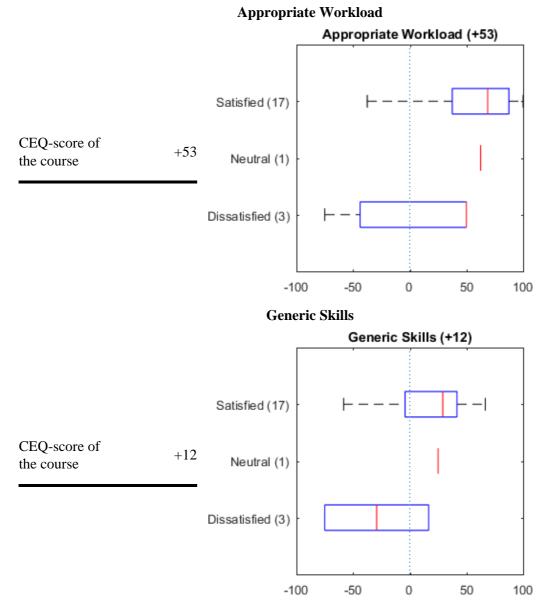
-50

0

50

100

-100



# 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

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## Good Teaching (+11)

Question CEQ-score Histogram

3. The teaching has motivated me to do my best

+47

10

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

-100 -50 0 +50 +100 9

7

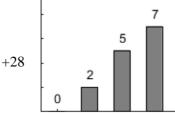
0 0 0

0

+50 +100

2

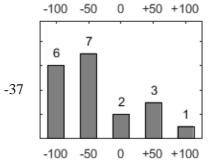
15. The teachers made a real effort to understand the problems and difficulties one might be having in this course



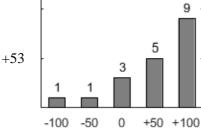
-50

-100

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

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# Clear Goals and Standards (+22)

Question **CEQ-score** Histogram 7 5 1. It was easy to know the standard of work +23 3 expected -100 -50 0 +50 +100 7 5 6. I usually had a clear idea of where I was going and what was expected of me in this +243 2 course -100 -50 +50 +100 0 6 5 5 13. It was often hard to discover what was -18 expected of me in this course 2 2 -100 -50 +50 +100 0 8 25. The teachers made it clear right from the +173 3 start what they expected from the students 2 2

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-100 -50

0

+50 +100

-45

## **Appropriate Assessment (+63)**

Question CEQ-score Histogram

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

in

12. The teachers seemed more interested in testing what I had memorised than what I had understood

-76 6 2 0

-50

-50

0

0

+50

-100

-100

-100

9

0

0

+100

+50 +100

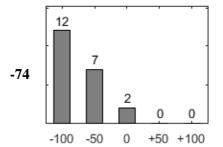
+50 +100

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

+55

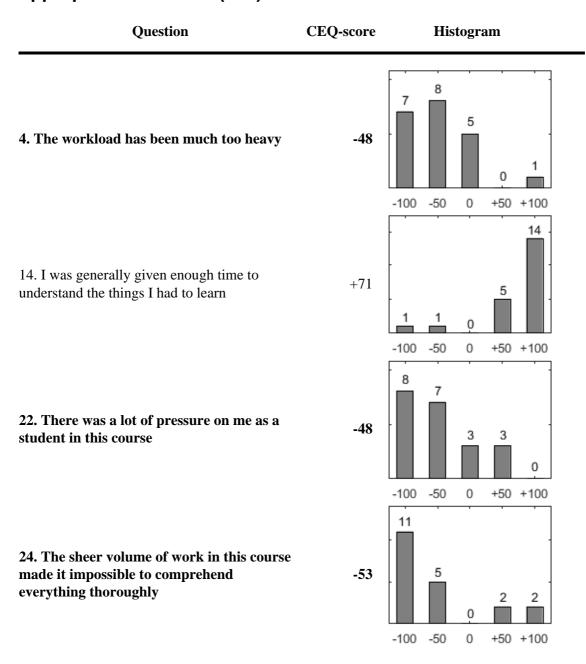
-50

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



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## **Appropriate Workload (+53)**



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## Generic Skills (+12)

Question **CEQ-score** Histogram 10 2. The course has developed my +52problem-solving skills -100 -50 0 +50 +100 8 5 5. The course has sharpened my analytic skills +39 3 3 -100 -50 0 +50 +100 9 9. The course helped me develop my ability to -53 work in a group 0 -100 -50 +50 +100 10 10. The course has made me feel more 5 confident about tackling new and unfamiliar +40problems -100 -50 0 +50 +100 6 11. The course has improved my skills in -30 written communication 2 -50 0 -100 +50 +100 9 23. The course has helped me to develop the +3 ability to plan my work 3 -100 -50 0 +50 +100

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# **Course Specific Questions**

These questions/statements are specific for this course.

Question	<b>CEQ-score</b>	Histogram
Lecturer's videos on CANVAS are useful and intresting	+75	7 0 0 1 -100 -50 0 +50 +100
It would be good to run "flipped classroom", i.e. see videos first and then discuss them in class	-13	6 3 4 3 0 0 -100 -50 0 +50 +100
Lectures were intresting (not just informative on the subject)	+60	-100 -50 0 +50 +100
First quiz was rather easy	+25	-100 -50 0 +50 +100

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## Free text answers

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

## What were the best aspects of the course

#### Satisfied students

Väldigt intressant ämne, samt att i princip alla föreläsningar fanns i video på canvas.

Väldigt bra att det fanns videor och föreläsningsanteckningar på Canvas. Det är en viktig del av lärandet att gå tillbaka till och höra kursmaterialet flera gånger.

Föreläsningarna gick bra att följa

The lecturer was the best part of the course. He presented the material in a very coherent manner with a engaging style. Everything done on chalkboard which makes it very easy to understand each lecture.

I think the course was both useful and well taught.

The videos on CANVAS help me a lot to catch up the courses I missed. The lecturer gave us clear notions and theorem with some jokes and fun facts!

Bra innehåll. Bra kursböcker. Informativa föreläsningar.

The labs were very helpful in getting a better understanding of the topics covered in the lecture.

Bra föreläsningar.

Intressanta föreläsningar med bra exempel

Överlag en bra kurs! Intressant och relevant. Kul med verkliga exempel, både ex monopol-uppgiften i labben och exempel med text-genererare på föreläsning!

#### **Neutral students**

### **Dissatisfied students**

The course was a light work until finals.

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

#### Satisfied students

Lite otydligt vad som krävdes för inlämningen av datorlabbarna. Vad som krävdes här hade kunnat vara tydligare.

Lite tydligare direktiv kring inlämning av labbar.

Det var inte klart, även efter man frågat, om en Latex rapport förväntas eller om det räcker med att annotera

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#### 2023 HT\_LP1 FMSF15 CEQ Course evaluation ver 9.0 (2021-01-23) LTH

labb-instruktionsdokumentet.

Inte heller förstod jag om min Matlab kod skulle skickas med, eller om figurer skulle bifogas osv.

Föreläsningarna var redan mycket bra, men något jag hade viljat se är animationer av förloppet av en Markov kedja. Jag kommer inte ihåg att vi såg visualiseringar. Jag hade viljat se en grafrepresentation och en prick som som hoppar tillstånd, sedan även med många prickar som alla hoppar enligt övergångssannolikheterna. Det kanske hade hjälpt att sätta denna bilden i studenters tankar tidigt så alla har samma bild.

The information about the labs were really lacking. It was for a long time unclear how the labs should be performed and handed in. This could have been solved by a simple message in canvas at the beginning of the course.

The exam was a little harder than expected, but otherwise the course was good.

The exam was some much harder than the level of exercices and previous exams. It was just destabilizing!

Kursadministrationen var lite otydlig vilket gjorde att man ibland inte förstod vad man behövde göra under kursens gång. Jag tycker också det hade varit bra med fler övningsuppgifter, och särskilt med ett ordentligt facit till uppgifterna. Det hade varit bra om första föreläsningen gick igenom kursens upplägg (innehållsmässigt) så att man förstår vad kursen i sin helhet går ut på och varför man behöver lära sig allt som tas upp.

Ha ett annat system för seminarier för min del, med gemensam problemlösning/presentation, men jag vet att det inte är formatet som ni har på LTH... Och jag antar att det passar andra bättre än det gör mig.

Fler svåra uppgifter eller exempel att jobba igenom, med utförliga förklaringar att studera

En del administrativa oklarheter. Det fanns ingen riktig info om labbarna på canvas, om man var tvungen att va på plats, om man skulle jobba själv eller två och två, skulle en rapport skrivas eller skulle man redovisa på labbtillfället? Om en rapport skulle skickas in, när skulle det göras?

Vi hade också på förhand fått höra att formelsamlingen i statistik inte skulle behövas, dock inget om att den inte skulle vara tillåten att ha med. På tentan visade det sig att man inte fick ha den, och jag kände också att jag hade behövt den.

#### **Neutral students**

#### **Dissatisfied students**

The finals was so tough compared to questions in exercises and past papers.

It would be helpful if the TA had known Matlab so that he could help us with the programming part of the assignments (he always helped with the mathematical part). As the course is presented in English, I was expecting the code that was supposed to be used in the labs to be with English comments, not Swedish. Lastly, I would appreciate seeing some example procedures from the excercise book. The course was mainly about theory, but the lecture and the TA didn't tell us how to use it in those kinds of "real life"/stories examples, that were in the exam as well. I would appreciate at least a few such examples, so I would know how to start.

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