

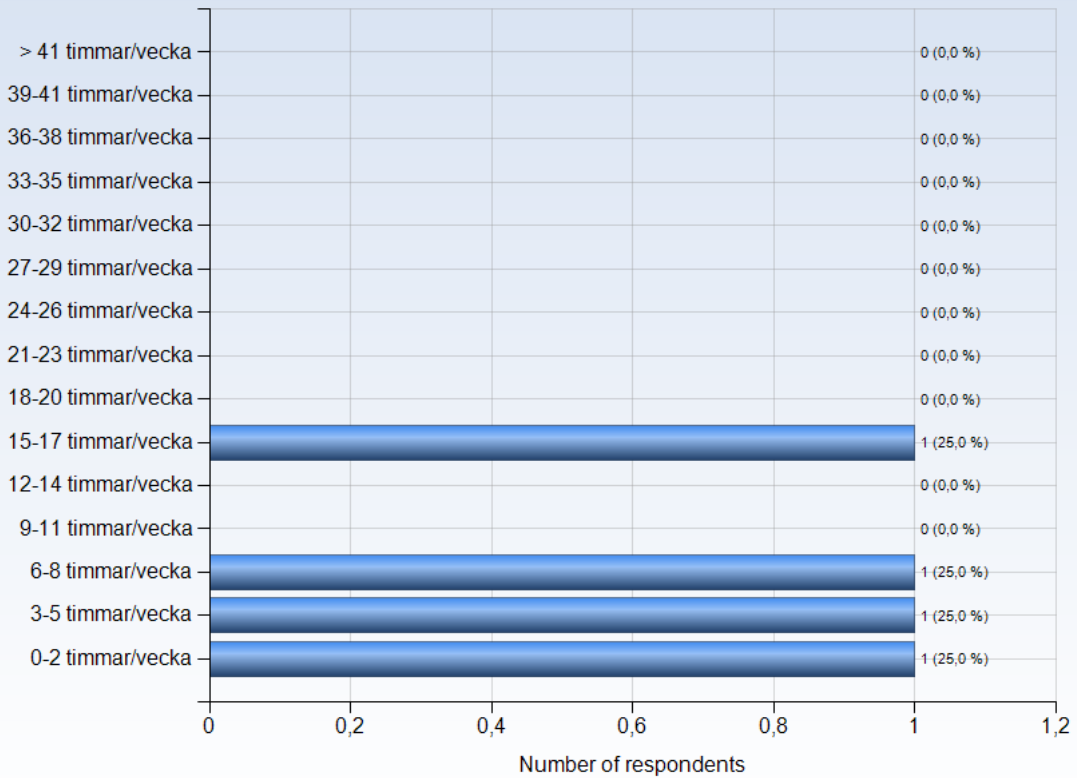


DD1354 - 2019-04-06

Antal respondenter: 26
Antal svar: 4
Svarsfrekvens: 15,38 %

ESTIMATED WORKLOAD

On average, how many hours/week did you work with the course (including scheduled hours)?



Comments



LEARNING EXPERIENCE

The polar diagrams below show the average response to the LEQ statements for different groups of respondents (only valid responses are included). The scale that is used in the diagrams is defined by:

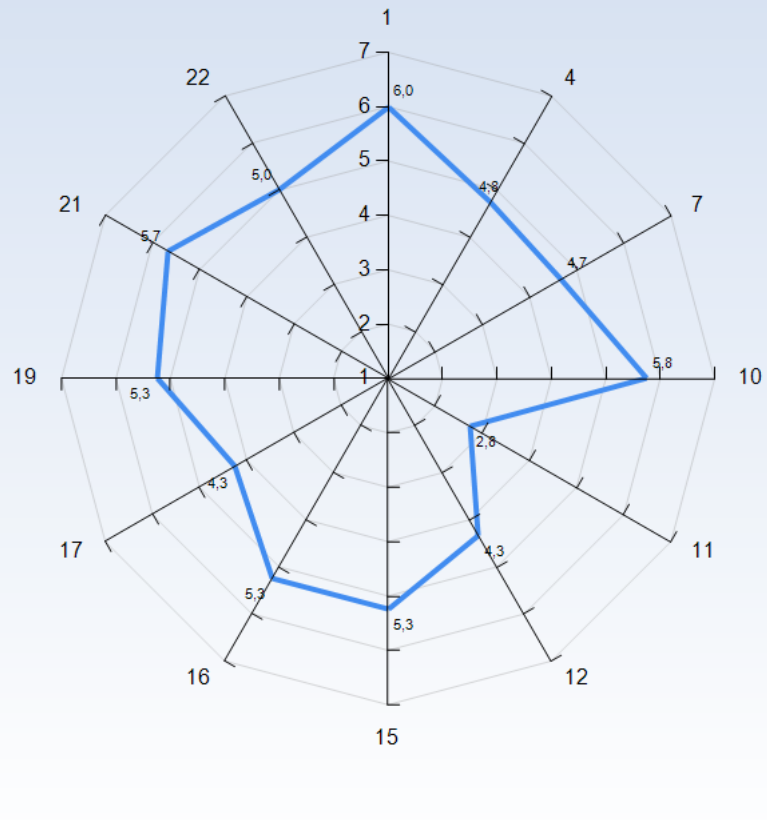
1 = No, I strongly disagree with the statement

4 = I am neutral to the statement

7 = Yes, I strongly agree with the statement

Note! A group has to include at least 3 respondents in order to appear in a diagram.

Average response to LEQ statements - all respondents





KTH Learning Experience Questionnaire v3.1.4

Meaningfulness - emotional level

Stimulating tasks

1. I worked with interesting issues (a)

Exploration and own experience

2. I explored parts of the subject on my own (a)

3. I was able to learn by trying out my own ideas (b)

Challenge

4. The course was challenging in a stimulating way (c)

Belonging

5. I felt togetherness with others on the course (d)

6. The atmosphere on the course was open and inclusive (d)

Comprehensibility - cognitive level

Clear goals and organization

7. The intended learning outcomes helped me to understand what I was expected to achieve (e)

8. The course was organized in a way that supported my learning (e)

Understanding of subject matter

9. I understood what the teachers were talking about (f)

10. I was able to learn from concrete examples that I could relate to (g)

11. Understanding of key concepts had high priority (h)



Constructive alignment

- 12. The course activities helped me to achieve the intended learning outcomes efficiently (i)
- 13. I understood what I was expected to learn in order to obtain a certain grade (i)

Feedback and security

- 14. I received regular feedback that helped me to see my progress (j)
- 15. I could practice and receive feedback without being graded (j)
- 16. The assessment on the course was fair and honest (k)

Manageability - instrumental level

Sufficient background knowledge

- 17. My background knowledge was sufficient to follow the course (f)

Time to reflect

- 18. I regularly spent time to reflect on what I learned (l)

Variation and participation

- 19. The course activities enabled me to learn in different ways (m)
- 20. I had opportunities to influence the course activities (m)

Collaboration

- 21. I was able to learn by collaborating and discussing with others (n)

Support

- 22. I was able to get support if I needed it (c)



Learning factors from the literature that LEQ intends to examine

We tend to learn most effectively (in ways that make a sustained, substantial, and positive influence on the way we think, reflect, act or feel) when:

- a) We are trying to answer questions, solve problems or acquire skills that we find interesting, exciting or important
- b) We are able to speculate, test ideas (intellectually or practically) and learn from experience, even before we know much about the subject
- c) We are able to do so in a challenging and at the same time supportive environment
- d) We feel that we are part of a community and believe that other people have confidence in our ability to learn
- e) We understand the meaning of the intended learning outcomes, how the environment is organized, and what is expected of us
- f) We have adequate prior knowledge to deal with the current learning situation
- g) We are able to learn inductively by moving from concrete examples and experiences to general principles, rather than the reverse
- h) We are challenged to develop a true understanding of key concepts and gradually create a coherent whole from the content
- i) We believe that the work we are expected to do will help us to achieve the intended learning outcomes
- j) We are able to try, fail, and receive feedback before, and separate from, each summative assessment of our efforts
- k) We believe that our work will be considered in an honest and fair way
- l) We have sufficient time for learning and devote the time needed to do so



m) We believe that we have control over our own learning, and not that we are being manipulated

n) We are able to collaborate with other learners struggling with the same problems

Literature

Bain, K. (2004). *What the Best College Teachers Do*, Chapter 5, pp. 98-134. Cambridge: Harvard University Press.

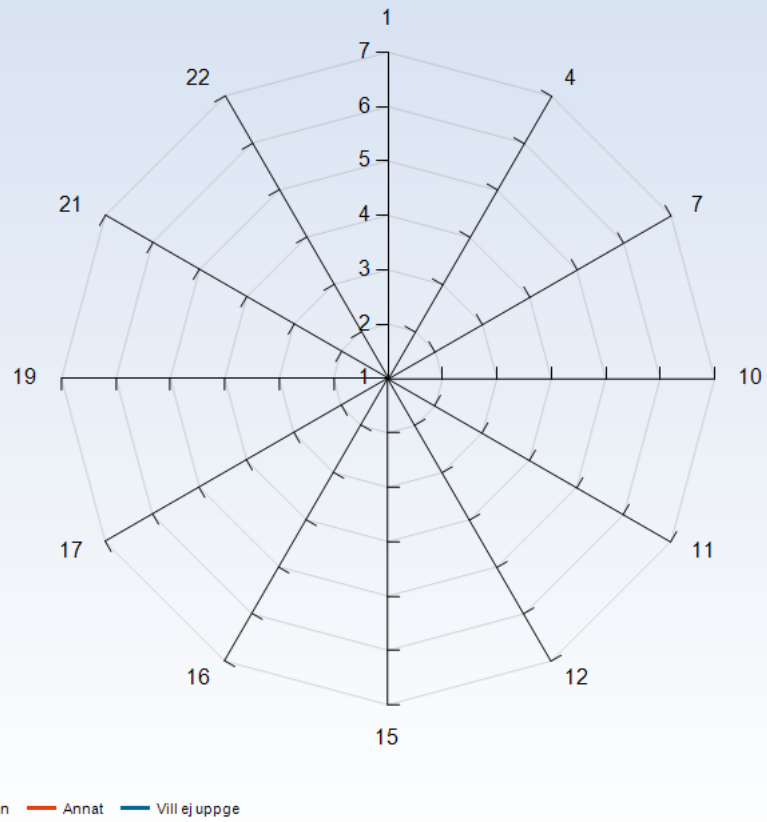
Biggs J. & Tang, C. (2011). *Teaching for Quality Learning at University*, Chapter 6, pp. 95-110. Maidenhead: McGraw Hill.

Elmgren, M. & Henriksson, A-S. (2014). *Academic Teaching*, Chapter 3, pp. 57-72. Lund: Studentlitteratur.

Kember, K. & McNaught, C. (2007). *Enhancing University Teaching: Lessons from Research into Award-Winning Teachers*, Chapter 5, pp. 31-40. Abingdon: Routledge.

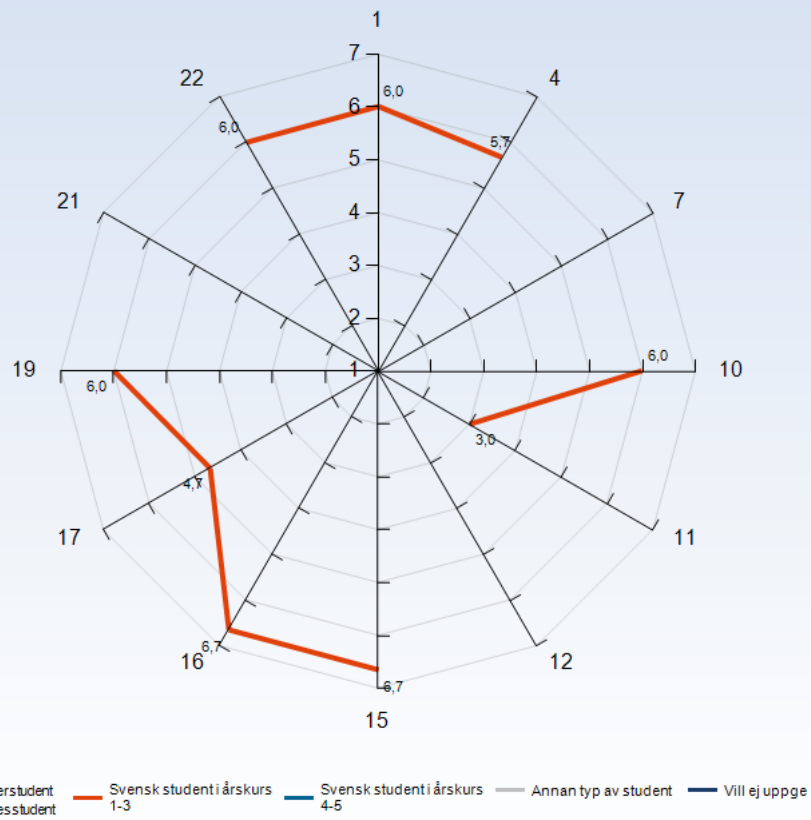
Ramsden, P. (2003). *Learning to Teach in Higher Education*, Chapter 6, pp. 84-105. New York: RoutledgeFalmer.

Average response to LEQ statements - per gender



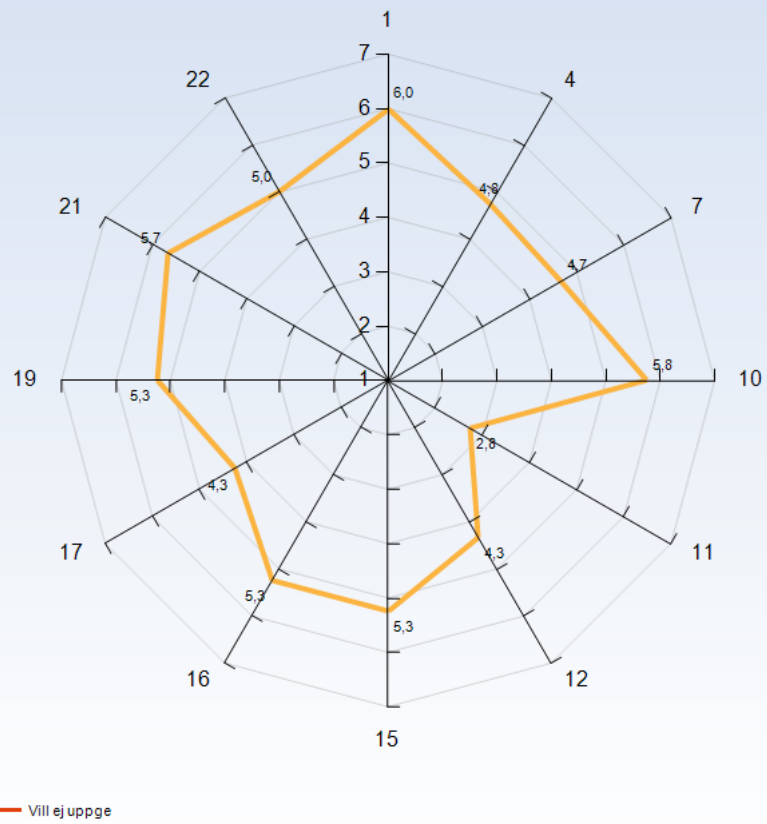
Comments

Average response to LEQ statements - per type of student



Comments

Average response to LEQ statements - per disability



Comments



GENERAL QUESTIONS

What was the best aspect of the course?

What was the best aspect of the course? (I worked: 0-2 timmar/vecka)

Chris P was a good teacher. Project was interesting and fun, nice to learn Unity and applied math/physics/programming. Fun to visit supercomputer.

What was the best aspect of the course? (I worked: 6-8 timmar/vecka)

Projektet var bäst, både konceptet och hur det utfördes. Jag uppskattade alla tillfällen då man kunde få feedback utan att bli bedömd.

What was the best aspect of the course? (I worked: 15-17 timmar/vecka)

The Labs.

What would you suggest to improve?

What would you suggest to improve? (I worked: 0-2 timmar/vecka)

Labs are weird and need some work, for example unity versions are different and may not work, so you have to guess what version to use. Lab 3 only gives a vague idea of what it's about and could be more focused. Did not get the tutorial lab working and it was irrelevant to the rest of the course.

What would you suggest to improve? (I worked: 6-8 timmar/vecka)

Om man förstod att kursen endast är grundläggande behöver man inte oroa sig om att man inte förstår avancerade koncept som de olika differentialekvationerna eller havssimuleringen. Det borde förtydligas vad man väntas förstå i detalj och vad som endast bör förstås översiktligt.

Jag tycker också att innehållet av onlinekursen borde läras ut live med föreläsningar och övningar istället för på egen hand genom onlinekursen. Den var förvirrande, omfattade mycket mer än vad som behövdes för DD1354 och innehöll ofta trasig kod.

What would you suggest to improve? (I worked: 15-17 timmar/vecka)

Project guiding. Help was only "kind of" provided for specific questions. While it is understood that students are meant to figure things out on their own, there were no pointers on to how well you were doing with your project, even when attending lessons designated for this purpose.

What advice would you like to give to future participants?

What advice would you like to give to future participants? (I worked: 0-2 timmar/vecka)

Use the lab assistants to clarify the labs.

What advice would you like to give to future participants? (I worked: 6-8 timmar/vecka)

Använd alla tillfällen för att få feedback på projektet.

What advice would you like to give to future participants? (I worked: 15-17 timmar/vecka)

Lessons for labs are not important unless you are totally and utterly stuck, if this is the case you're pretty badly off before even starting your project. Lessons designated for project are not worth going to at all, just study at home instead. Make sure to pressure teacher's to let you know where you are during your project. Start with the project early. Work in groups, the examiners make no difference of the size of the group correlated to the project size, meaning working alone is ALWAYS going to be worse work load wise. Even if you don't work well in pairs, just split the work. If possible, just work in three with your friends, it is alot less work in all aspects except coordination. If you are a really ambitious soul that wants to learn all parts of your project you can work alone, hopefully they'll be more considerate in the future. If you were just unlucky with not finding a partner, tough luck, hopefully like I said they'll be more considerate, otherwise good luck have fun.

Is there anything else you would like to add?

Is there anything else you would like to add? (I worked: 15-17 timmar/vecka)

Everyone who helped run this course were really nice and friendly people. When working with your project, be aware though, they might tell you one thing but base your grade on something completely different. Talk with the course responsible directly about this, they are all very nice people but don't be afraid to contact the course responsible if you run into issues or confusion.

SPECIFIC QUESTIONS



RESPONSE DATA

The diagrams below show the detailed response to the LEQ statements.
The response scale is defined by:

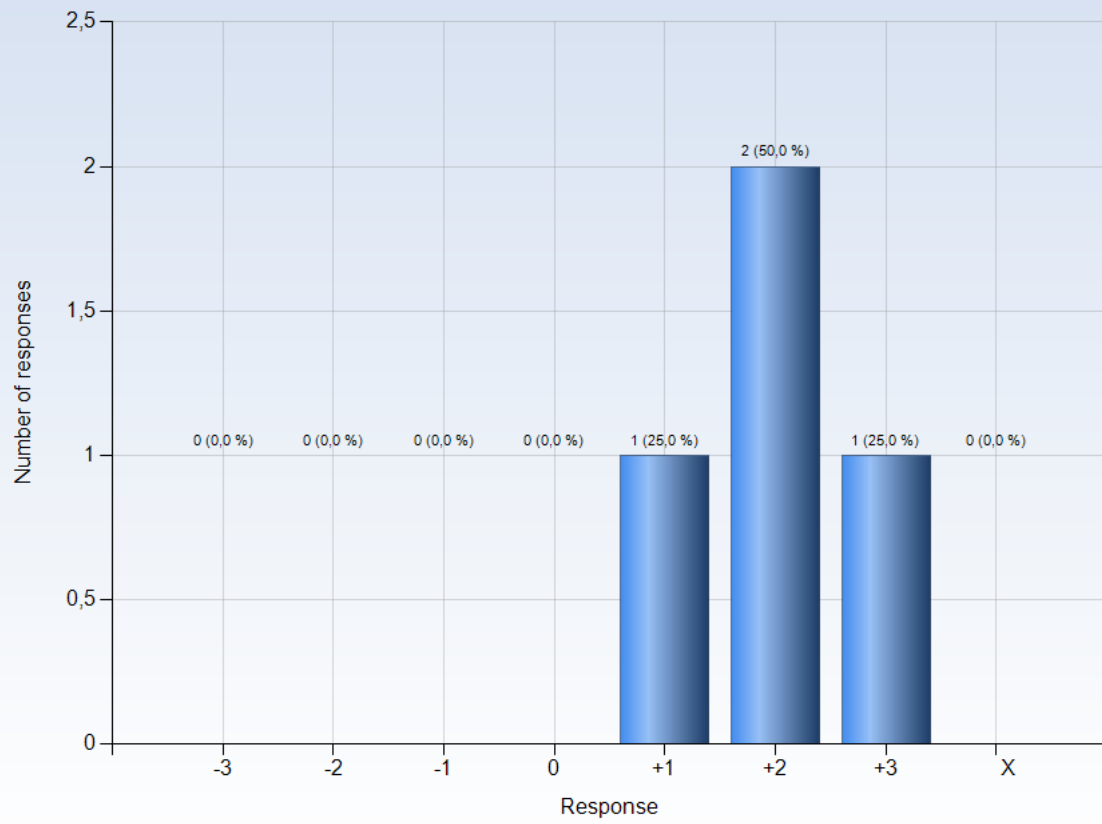
-3 = No, I strongly disagree with the statement

0 = I am neutral to the statement

+3 = Yes, I strongly agree with the statement

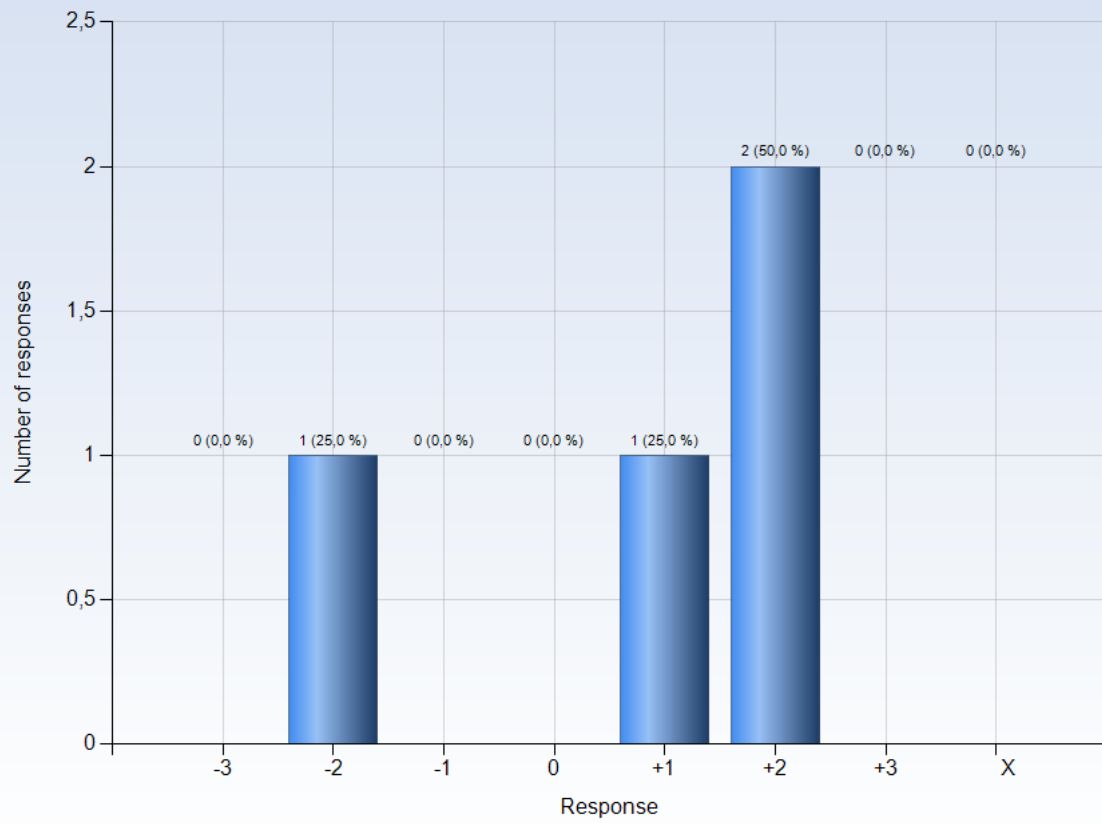
X = I decline to take a position on the statement

1. I worked with interesting issues



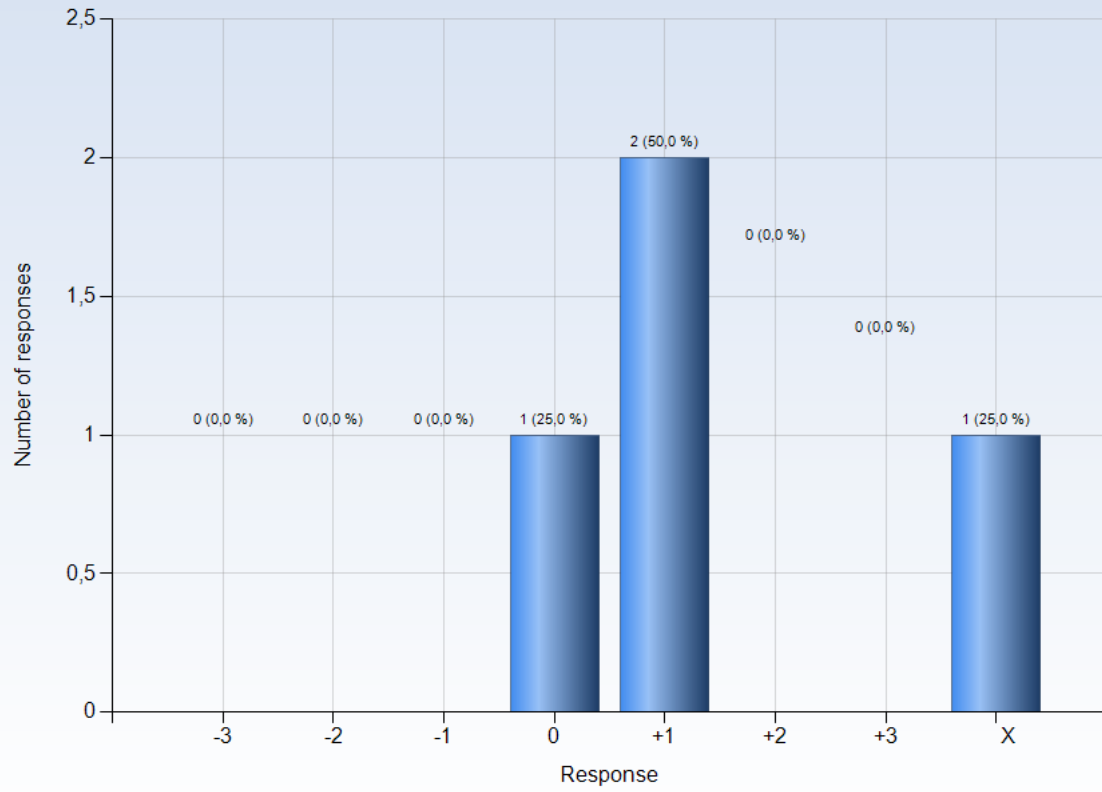
Comments

4. The course was challenging in a stimulating way



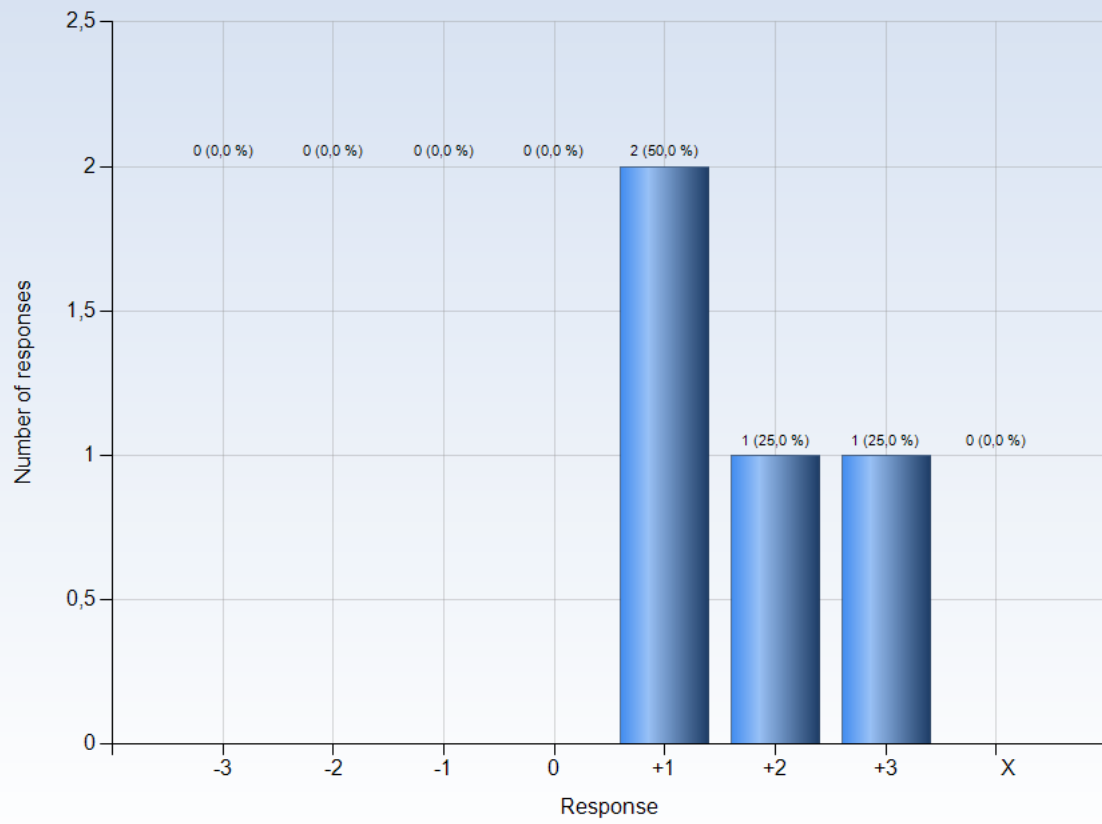
Comments

7. The intended learning outcomes helped me to understand what I was expected to achieve



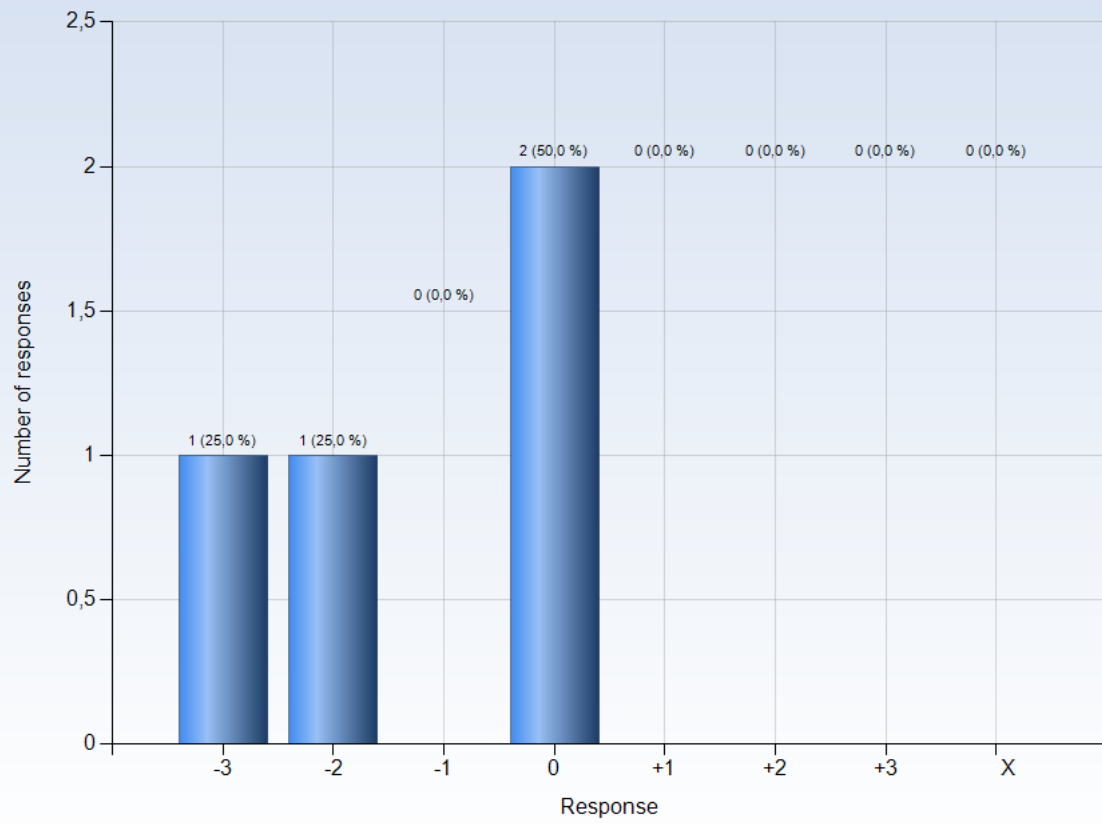
Comments

10. I was able to learn from concrete examples that I could to relate to



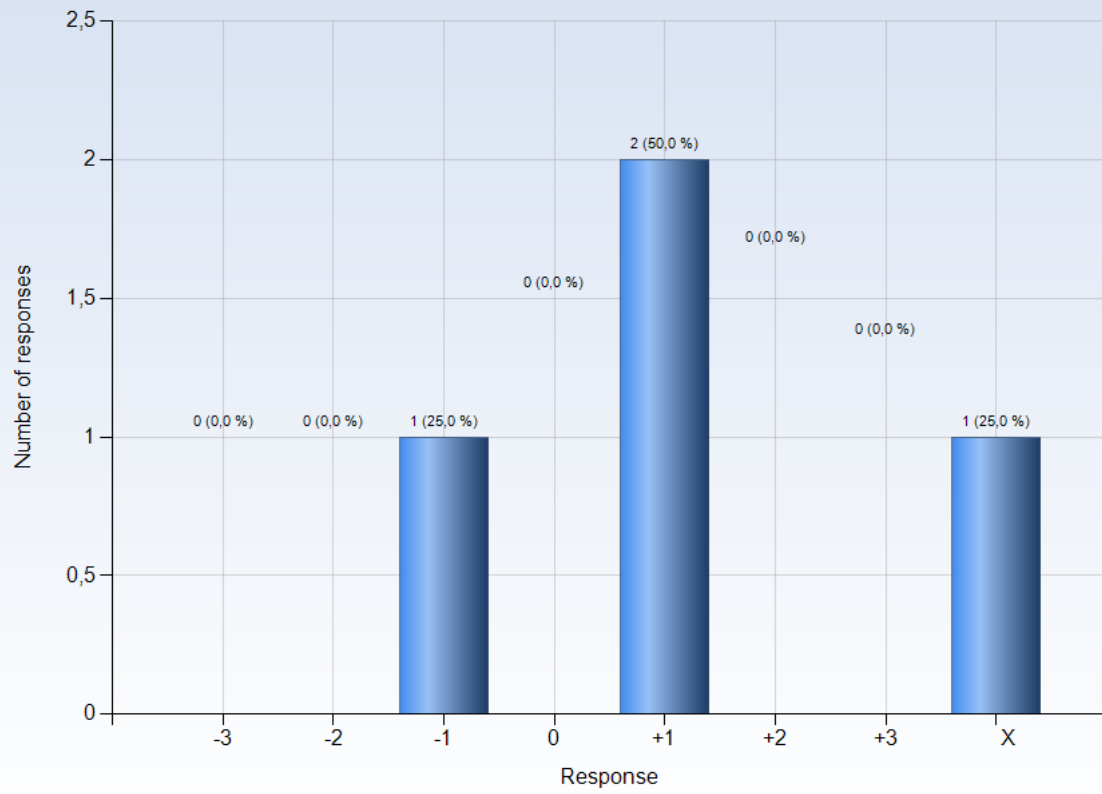
Comments

11. Understanding of key concepts had high priority



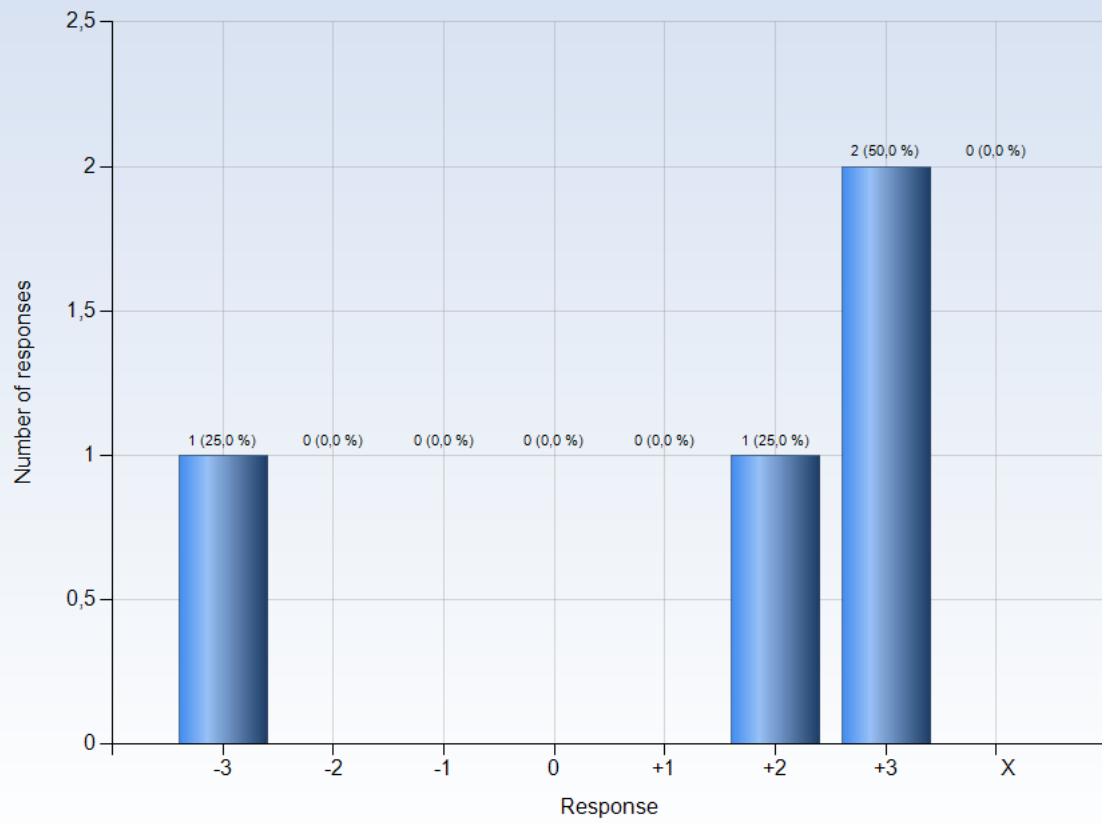
Comments

12. The course activities helped me to achieve the intended learning outcomes efficiently



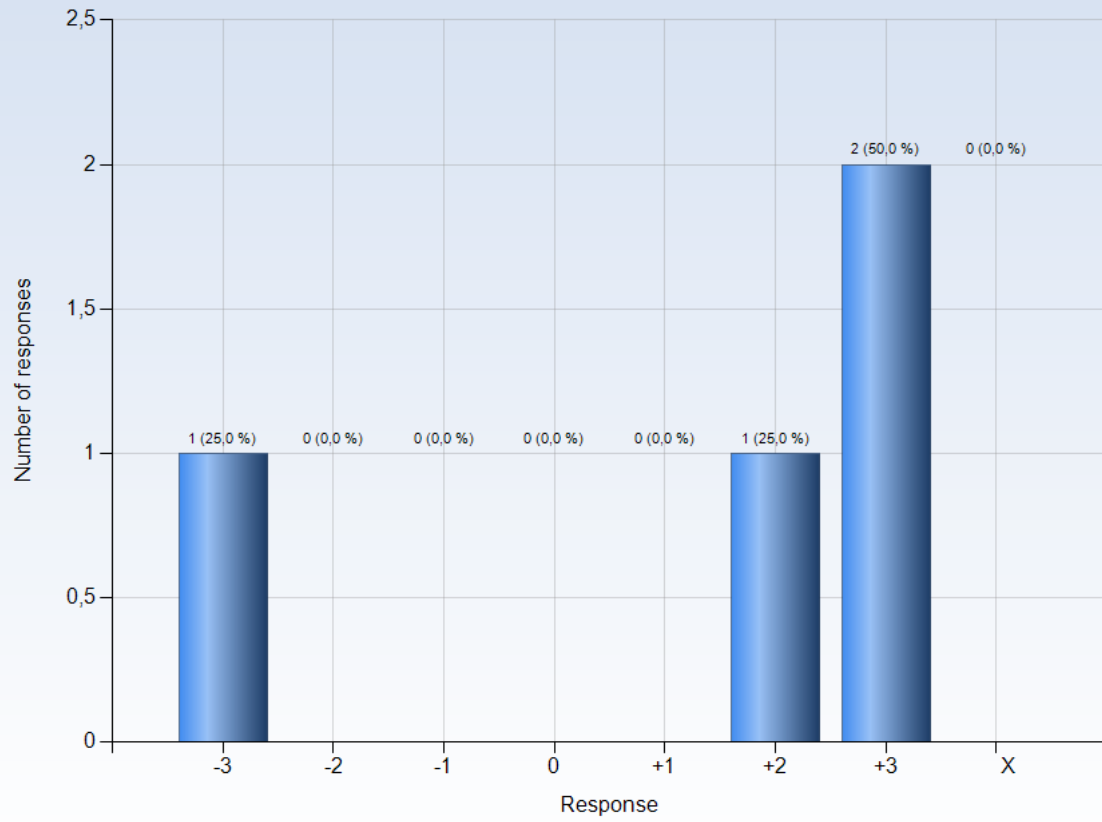
Comments

15. I was able to practice and receive feedback without being graded



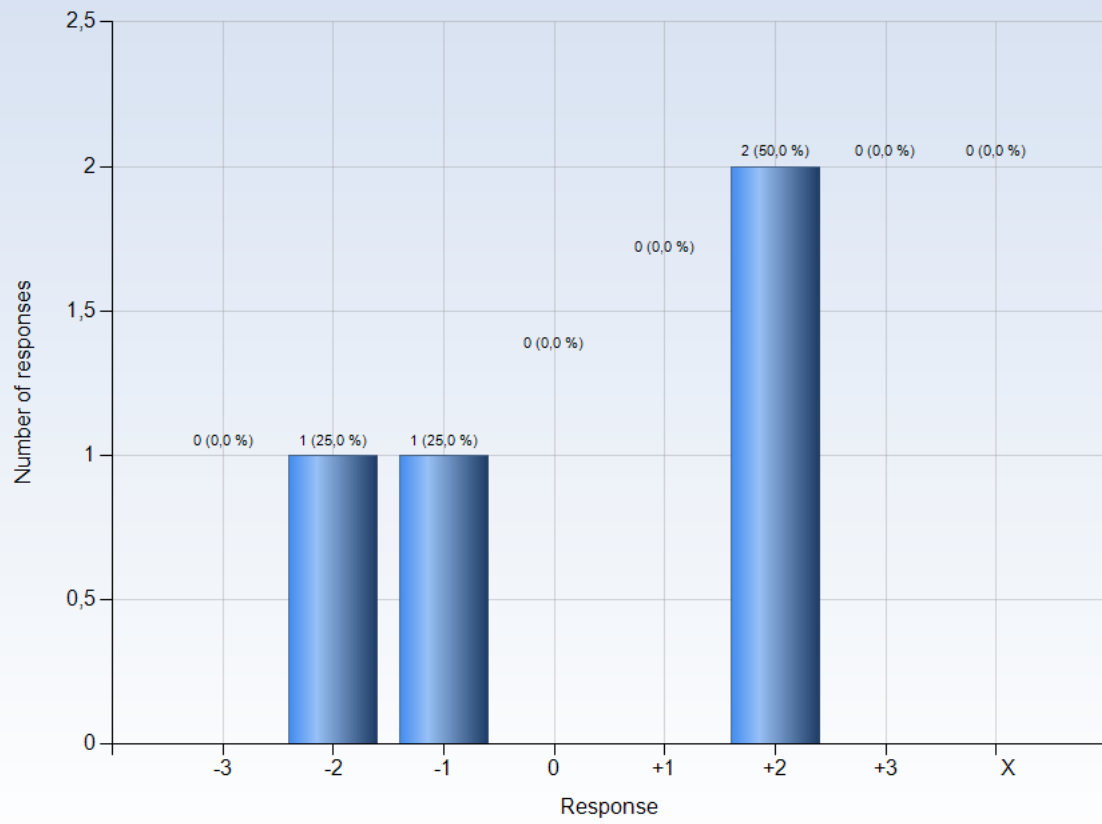
Comments

16. The assessment on the course was fair and honest



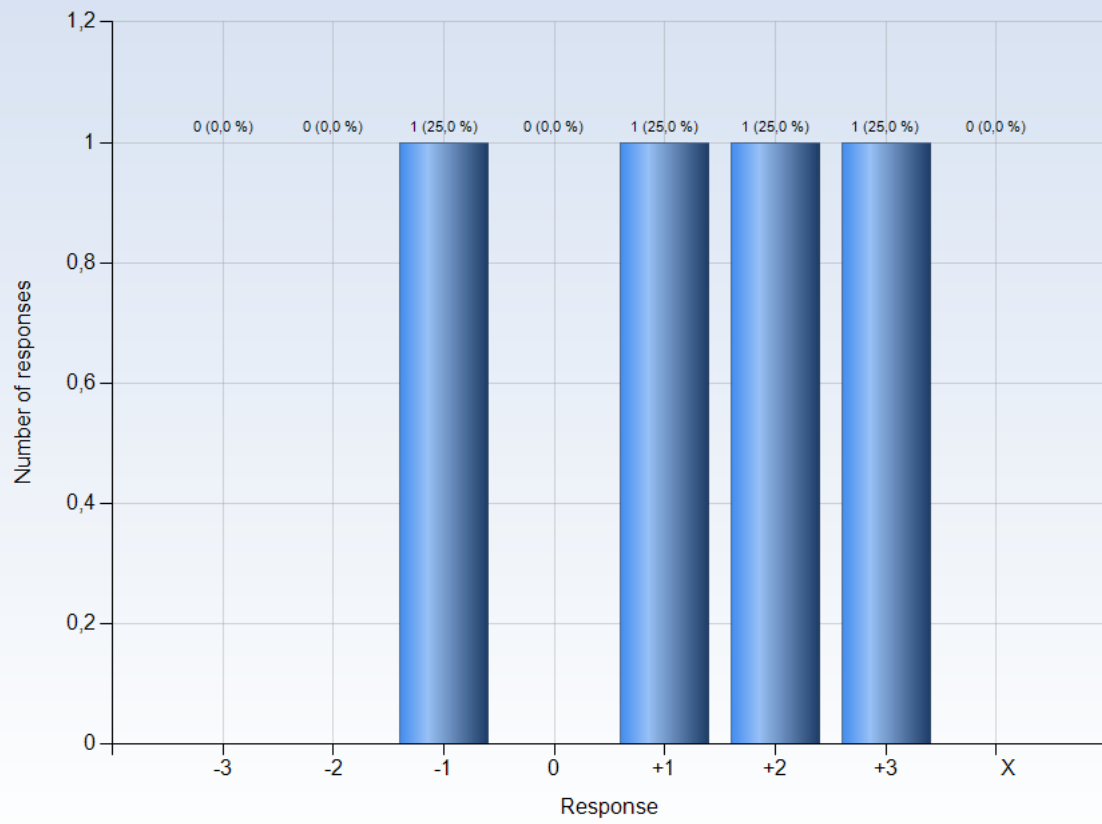
Comments

17. My background knowledge was sufficient to follow the course



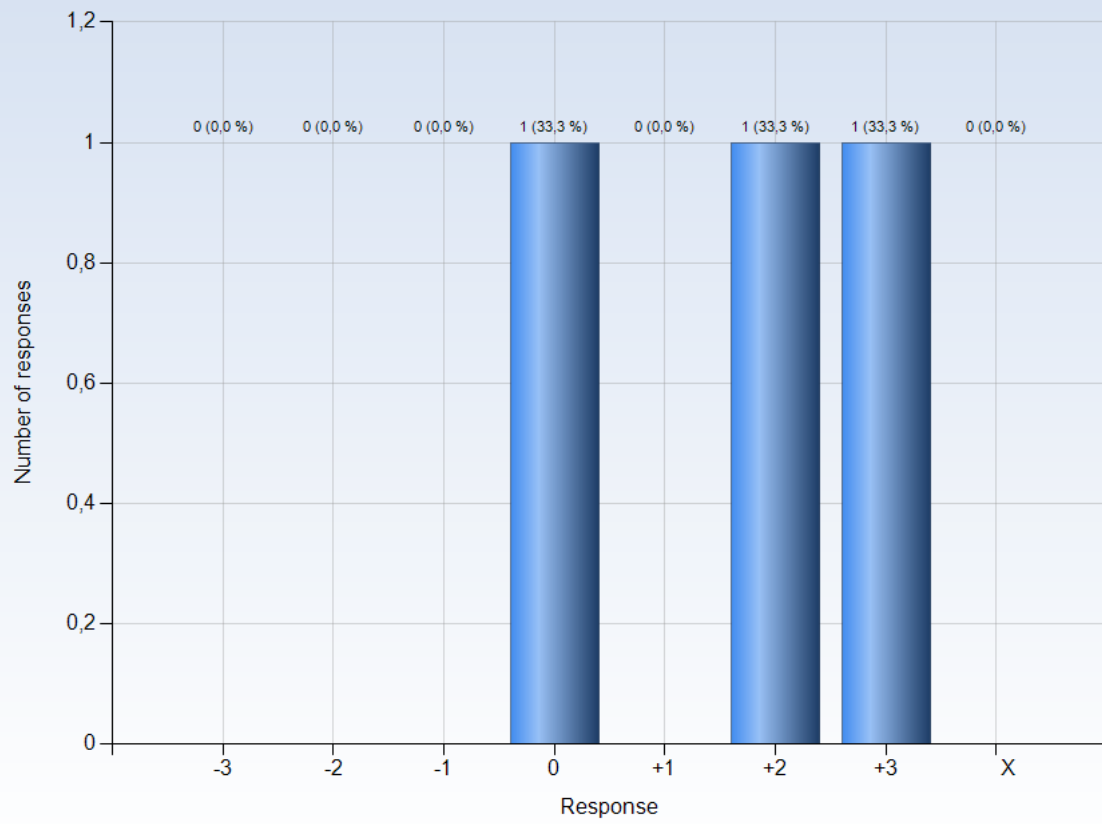
Comments

19. The course activities enabled me to learn in different ways



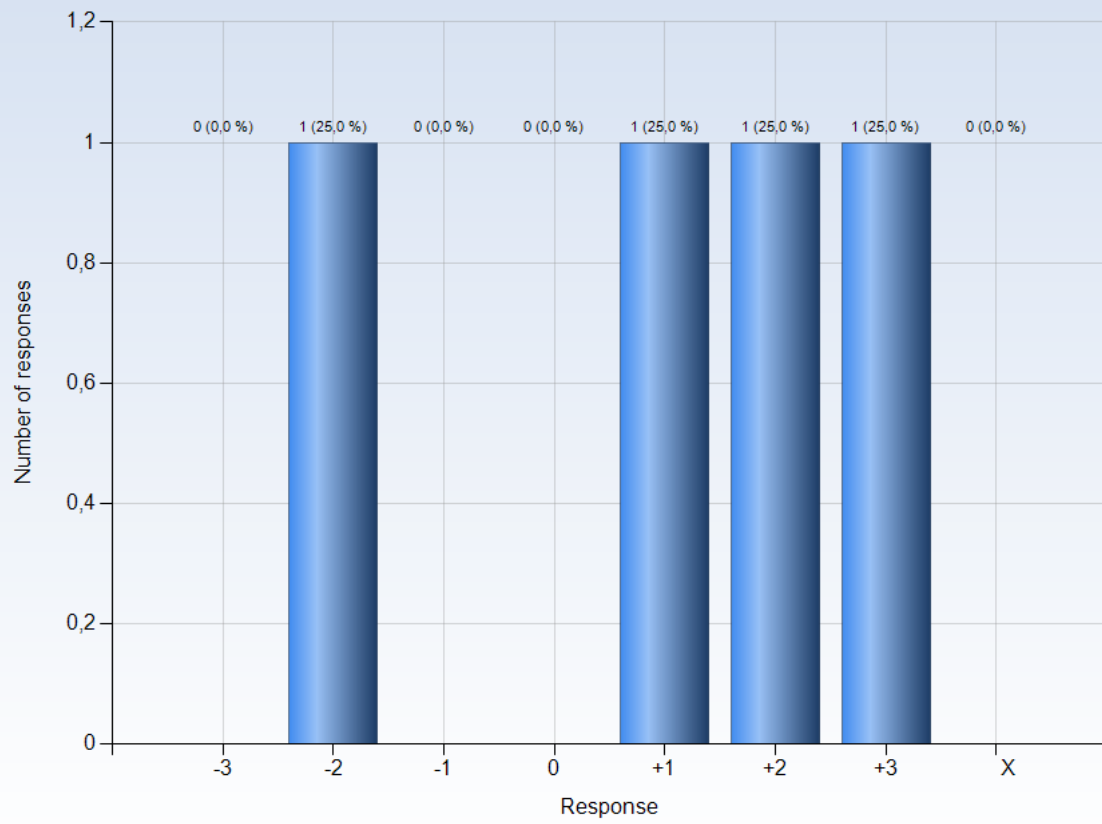
Comments

21. I was able to learn by collaborating and discussing with others



Comments

22. I was able to get support if I needed it



Comments