

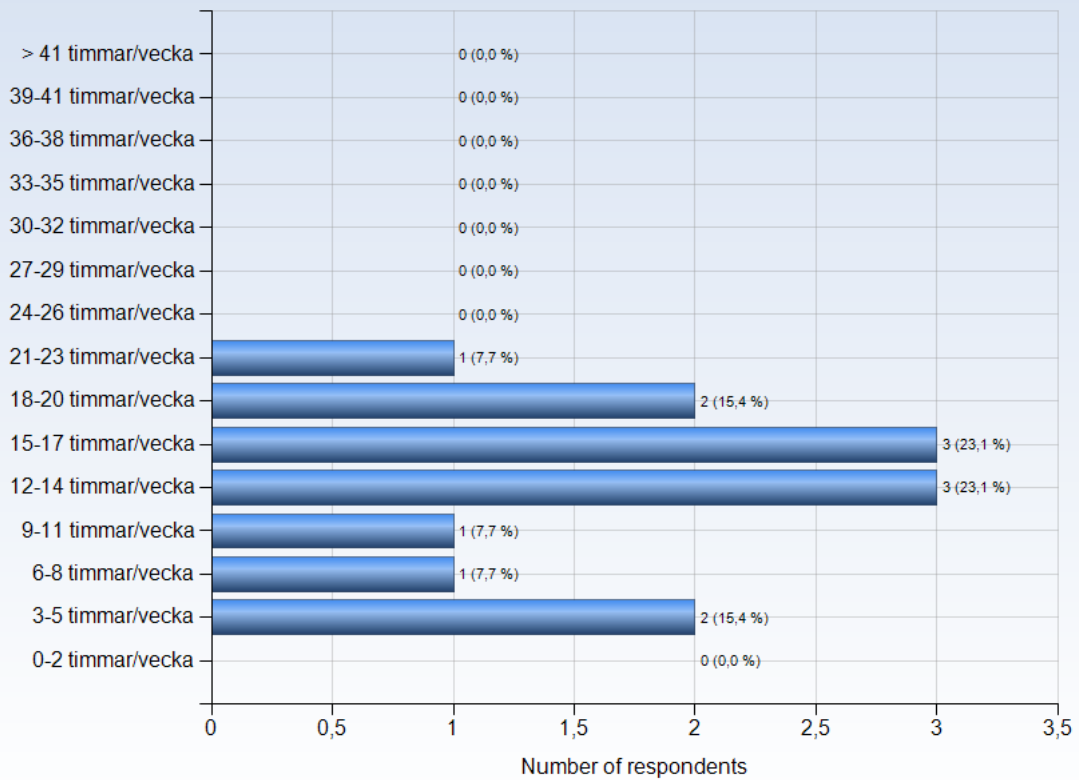


ID2204 - 2016-06-21

Antal respondenter: 46
Antal svar: 13
Svarsfrekvens: 28,26 %

ESTIMATED WORKLOAD

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



Comments

Comments (I worked: 6-8 timmar/vecka)

I've been neglecting the course due to work in other courses, and I believe that will be evident on the results of the exam...

Comments (I worked: 12-14 timmar/vecka)

The assignment is a little difficult.



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:

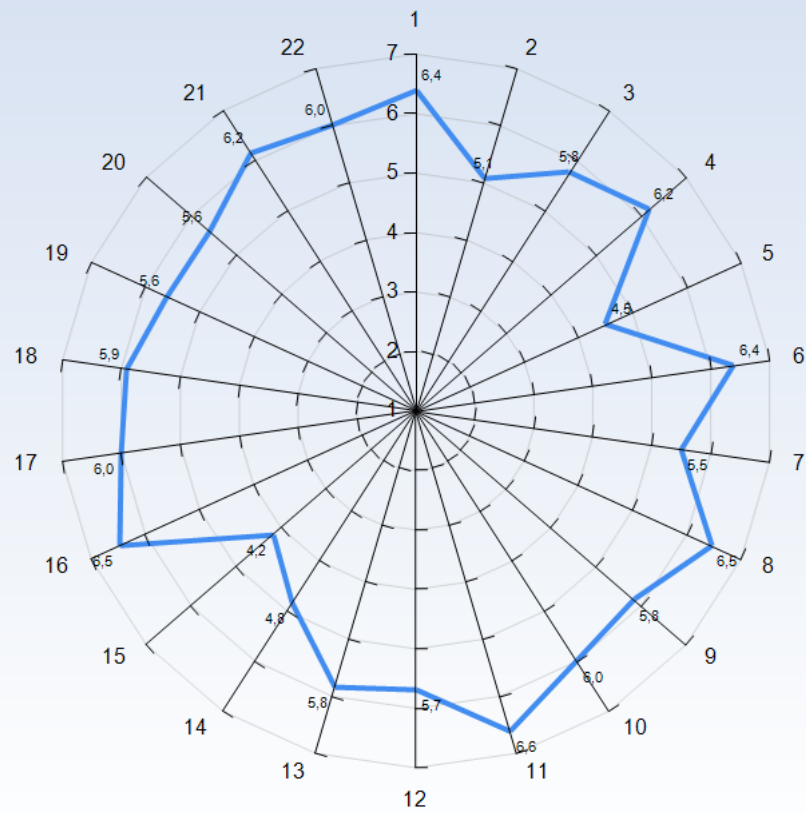
1 = No, I strongly disagree with the statement

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 v3.1.1

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 could 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 other course participants (d)
6. The atmosphere in the course was open and inclusive (d)

Comprehensibility - cognitive level

Clear goals and organization

7. The learning objectives helped me understand what I was expected to achieve (e)
8. I understood how the course was organized and what I was expected to do (e)

Understanding of subject matter

9. I understood what the teachers were talking about (f)
10. I could learn from concrete examples that I was able to relate to (g)
11. Understanding of key concepts was given high priority (h)



Constructive alignment

12. The course activities helped me to reach the learning objectives efficiently (i)

13. I understood what I was expected to learn in order to get a particular grade (i)

Feedback and security

14. I regularly received feedback that helped me see my progress (j)

15. I could practice and receive feedback without any grading being done (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 choices

19. I could learn in a way that suited me (m)

20. I had opportunities to choose what I was going to do (m)

Collaboration

21. I could learn by collaborating and discussing with others (n)

Support

22. I could 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, act or feel) when:

- a) We are trying to answer questions, solve problems or acquire skills that we find interesting, intriguing or important
- b) We can speculate, try out 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 yet supportive environment
- d) We feel that we are part of a community and believe that other people have faith in our ability to learn
- e) We understand the meaning of the learning objectives, how the environment is organized and what is expected of us
- f) We have sufficient background knowledge to manage the present learning situation
- g) We can learn inductively by moving from specific examples and experiences to general principles, rather than the other way around
- h) We are challenged to develop a proper understanding of key concepts and successively create a coherent whole of the content
- i) We believe that the work we are expected to do will help us to reach the learning objectives
- j) We can try, fail, and receive feedback in advance of and separate from any summative judgment of our efforts
- k) We believe that our work will be considered fairly and honestly
- l) We have sufficient time to learn and devote the time necessary to do so



m) We believe that we are in control of our own learning, not manipulated

n) We can work collaboratively 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.

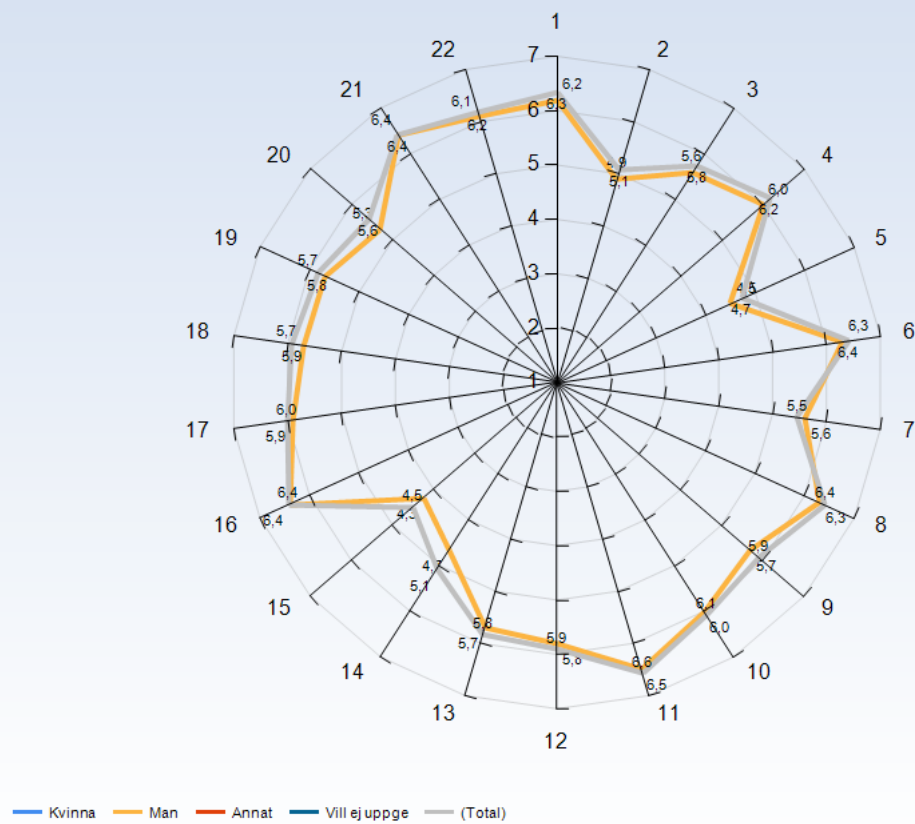
Biggs J. & Tang, C. (2011). *Teaching for Quality Learning at University*, Chapter 6, pp. 95-110. Maidenhead: McGraw Hill.

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.

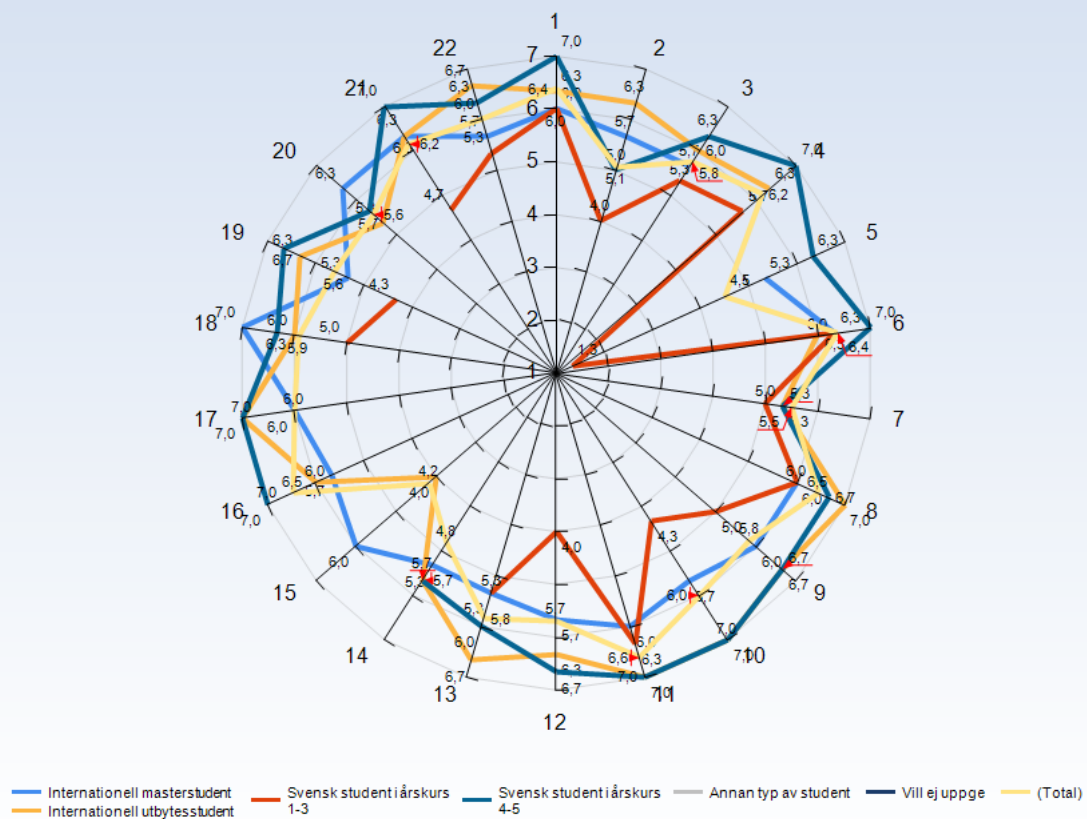
Ramsden, P. (2003). *Learning to Teach in Higher Education*, Chapter 6, pp. 84-105. New York: RoutledgeFalmer.

Average response to LEQ statements - per gender



Comments

Average response to LEQ statements - per type of student



Comments



GENERAL QUESTIONS

What was the best aspect of the course?

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

The first Lab, with Sudoku. Because that one was challenging but doable. The rest were just nightmarish to me.

What was the best aspect of the course? (I worked: 9-11 timmar/vecka)

Interesting topic. Well structured course with clear objectives. Great lectures

What was the best aspect of the course? (I worked: 12-14 timmar/vecka)

The teacher is really good at explaining the concepts, repeating the most important idea.

The content of the course is clear and the teaching style of the teacher is pretty good.

Christian, you are the perfect lecturer!

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

The overall structure - it was very easy to understand what was required of you in the course. Simple and clean model with assignments and final exam. The lectures were also of very high quality. To sum it up, a very interesting and high quality course!

The lectures were interesting, especially when learning about the practical applications of CP. Christian was great as a lecturer, but I feel that some more repetition would've been nice during the course (especially all the new terms that we had to learn during the first half of the course), as it sometimes made things hard to grasp things during the slides if you had forgotten what some term meant, and there wasn't always an easy way to look up these things on the internet.

Teacher explanation and exploring tasks in assignments.

What was the best aspect of the course? (I worked: 18-20 timmar/vecka)

-

I think it was great to use a C++ library to implement our models. The course was perfectly mixing theory and practice.

What would you suggest to improve?

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

Nothing really, everything wrong with the course is of my own doing.

What would you suggest to improve? (I worked: 9-11 timmar/vecka)

Nothing really

What would you suggest to improve? (I worked: 12-14 timmar/vecka)

Maybe suggestion of correction of some exploration tasks could be provided after the deadline.

Perhaps adding some quiz.

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

I'd like to see more workshops, where you could learn by doing instead of by seeing. Also, the second assignment was quite hard as I had never seen any questions like that before in the course. Also, more practical examples (of actual code) would've been nice, instead of the pseudo-code that was given during many slides.

I think some kind of glossary with explanations on the course web could've helped a lot.

If you give more details about wait-age of the chapters in last lecture it will be helpful to prepare exams.

What would you suggest to improve? (I worked: 18-20 timmar/vecka)

More practical examples and start with baby steps regarding the assignments

I think we need to practice more on theoretical exercises. I was a bit surprised by the level of the exam.



What advice would you like to give to future course participants?

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

Study seriously from the start, even though it might seem easily understandable at the start, it's important to remember the basics.

What advice would you like to give to future course participants? (I worked: 9-11 timmar/vecka)

Attend lectures and do the bonus assignments

What advice would you like to give to future course participants? (I worked: 12-14 timmar/vecka)

This course is pretty good and I really recommend the future course participants choose this course.

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

Go to the lectures and do all of the assignments (sub and exp).

Go to the lectures and take notes.

Good to have set theory fundamentals.

What advice would you like to give to future course participants? (I worked: 18-20 timmar/vecka)

Start on the assignments early

Is there anything else you would like to add?

Is there anything else you would like to add? (I worked: 9-11 timmar/vecka)

Nope

Is there anything else you would like to add? (I worked: 12-14 timmar/vecka)

It would be nice to have examples of previous exams on the website which are closer to the current exams (the examples online were for instance much shorter than this year's exam, which surprises a lot of students).

Nothing.

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

Little bit difficult to understand.

good to have some example questions related to exam papers, so that , it will make students get an idea on the questions.

Is there anything else you would like to add? (I worked: 18-20 timmar/vecka)

-

SPECIFIC QUESTIONS



RESPONSE DATA

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

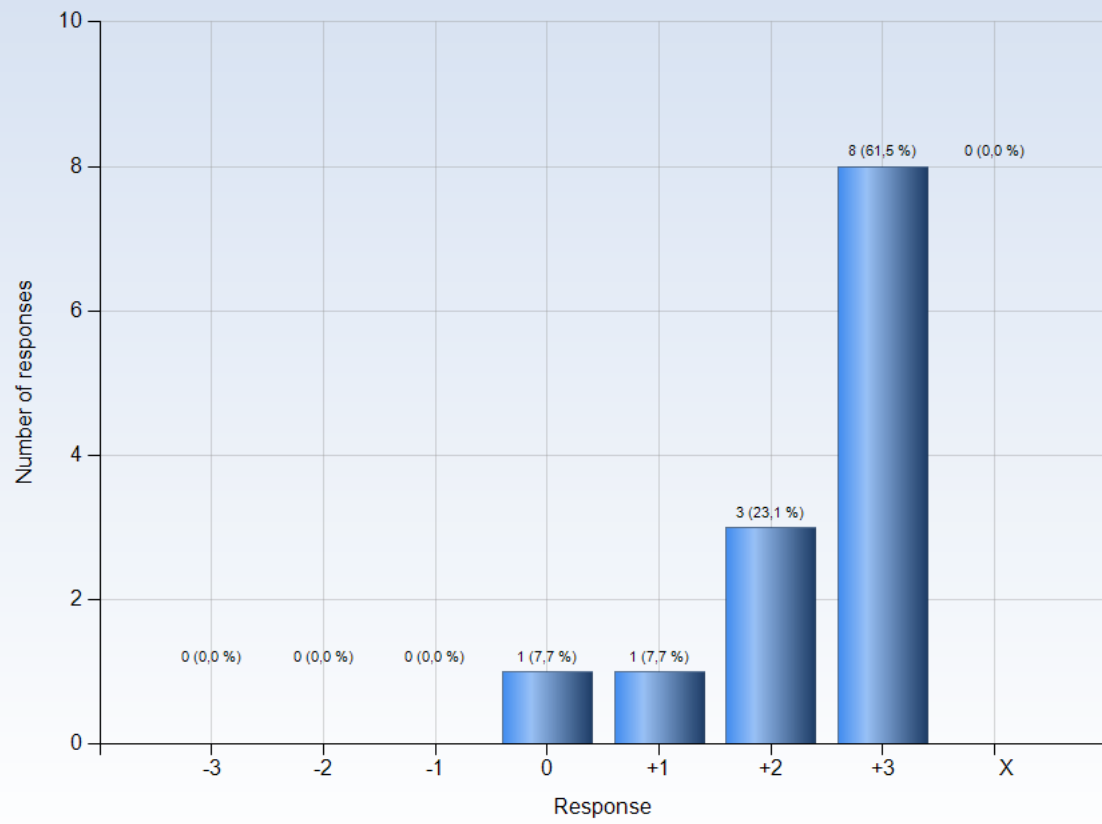
-3 = No, I strongly disagree with the statement

0 = I am neutral to the statement

+3 = Yes, I strongly agree with the statement

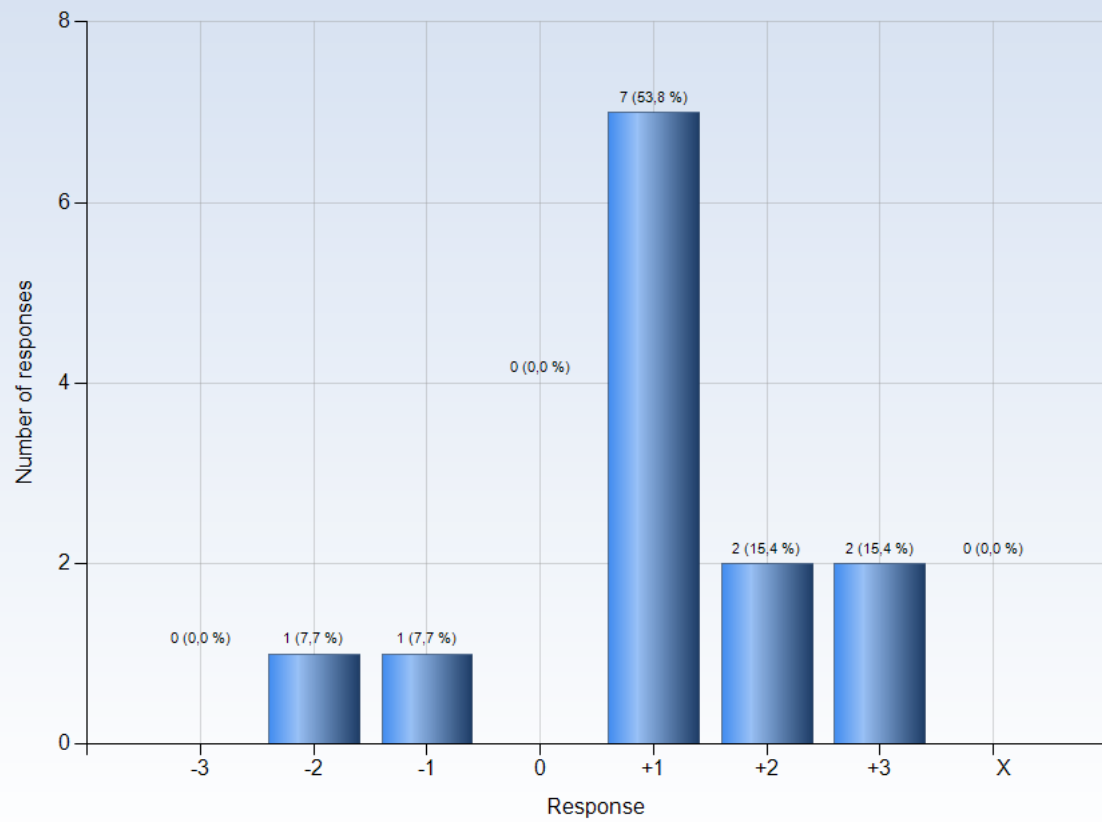
X = I decline to take a position on the statement

1. I worked with interesting issues



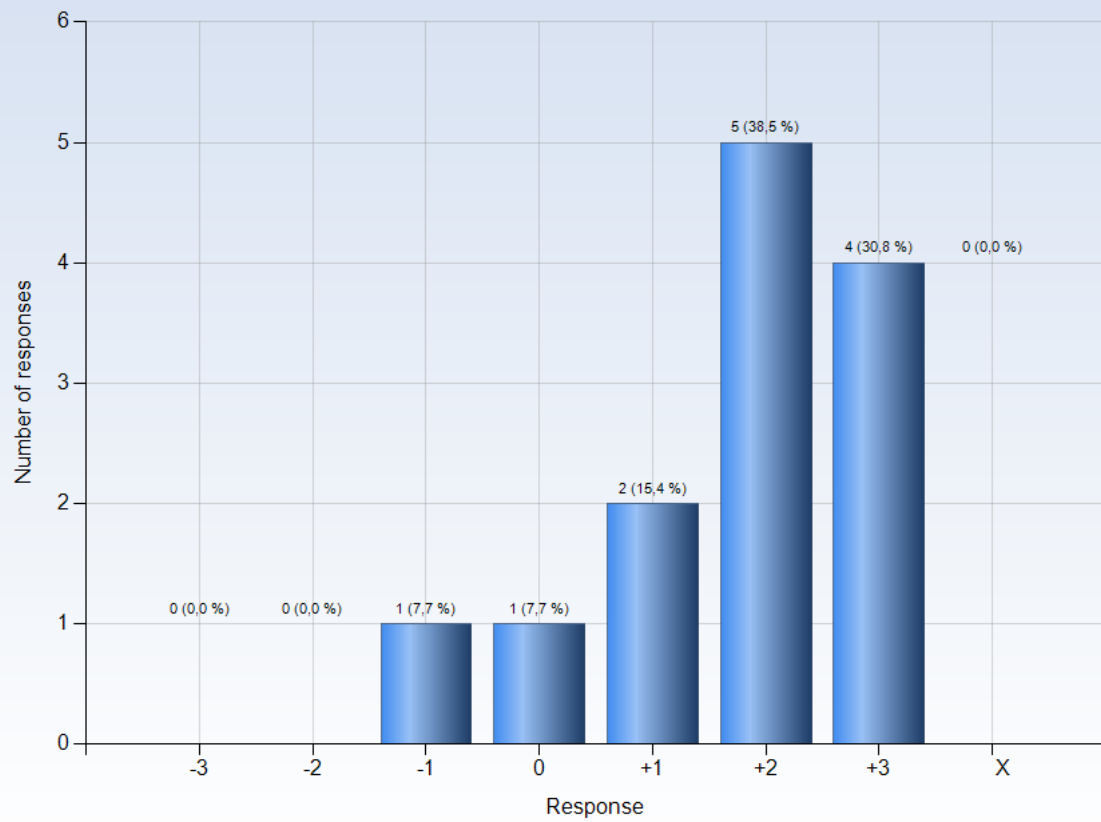
Comments

2. I explored parts of the subject on my own



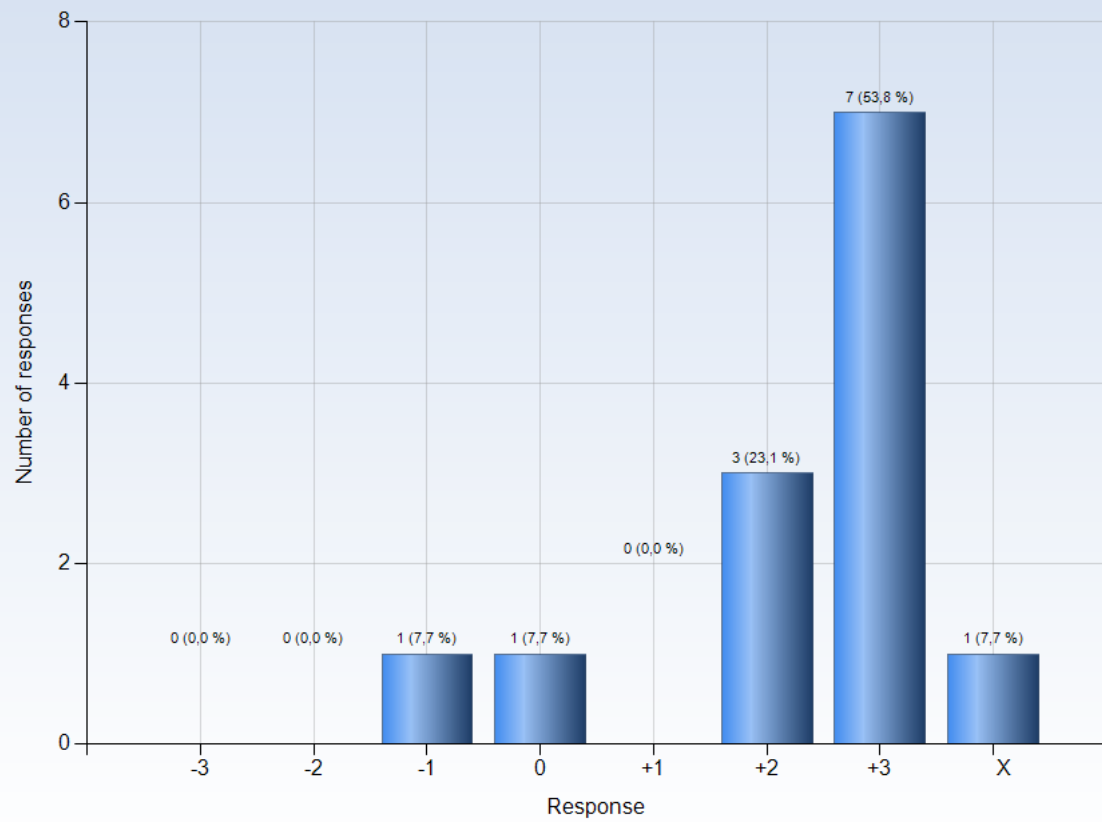
Comments

3. I could learn by trying out my own ideas



Comments

4. The course was challenging in a stimulating way

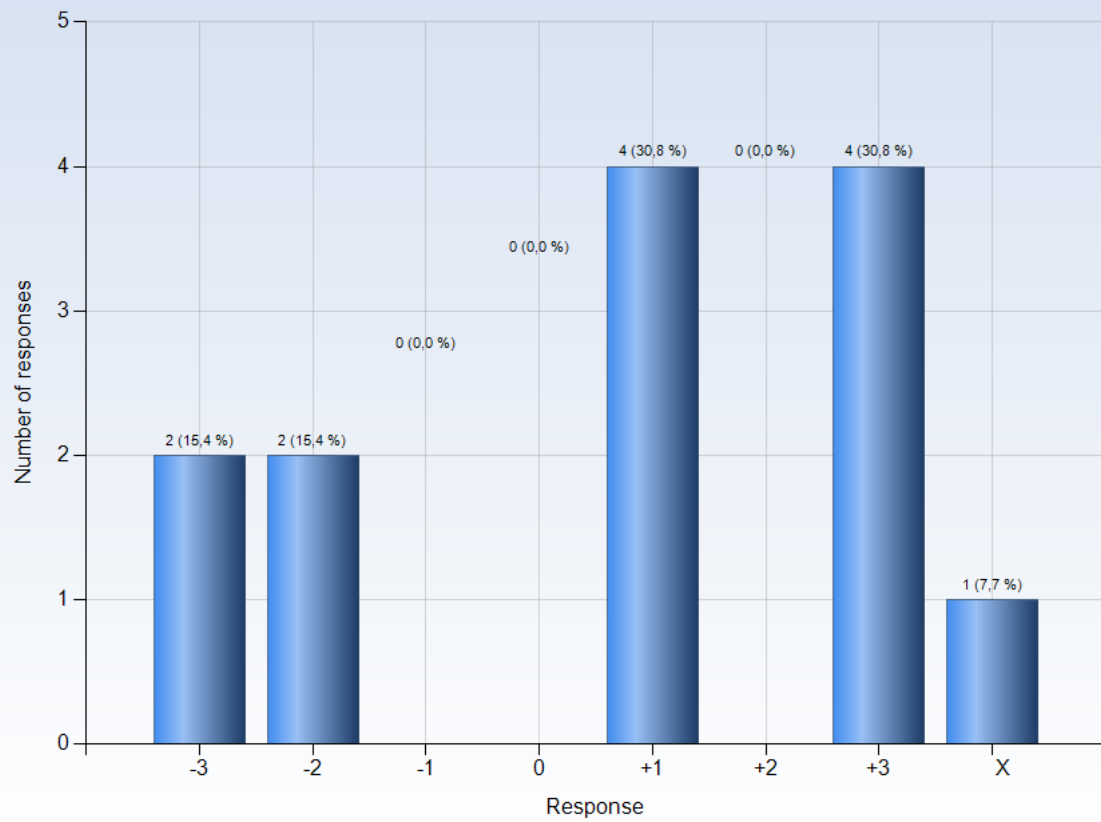


Comments

Comments (My response was: -1)

Just challenging

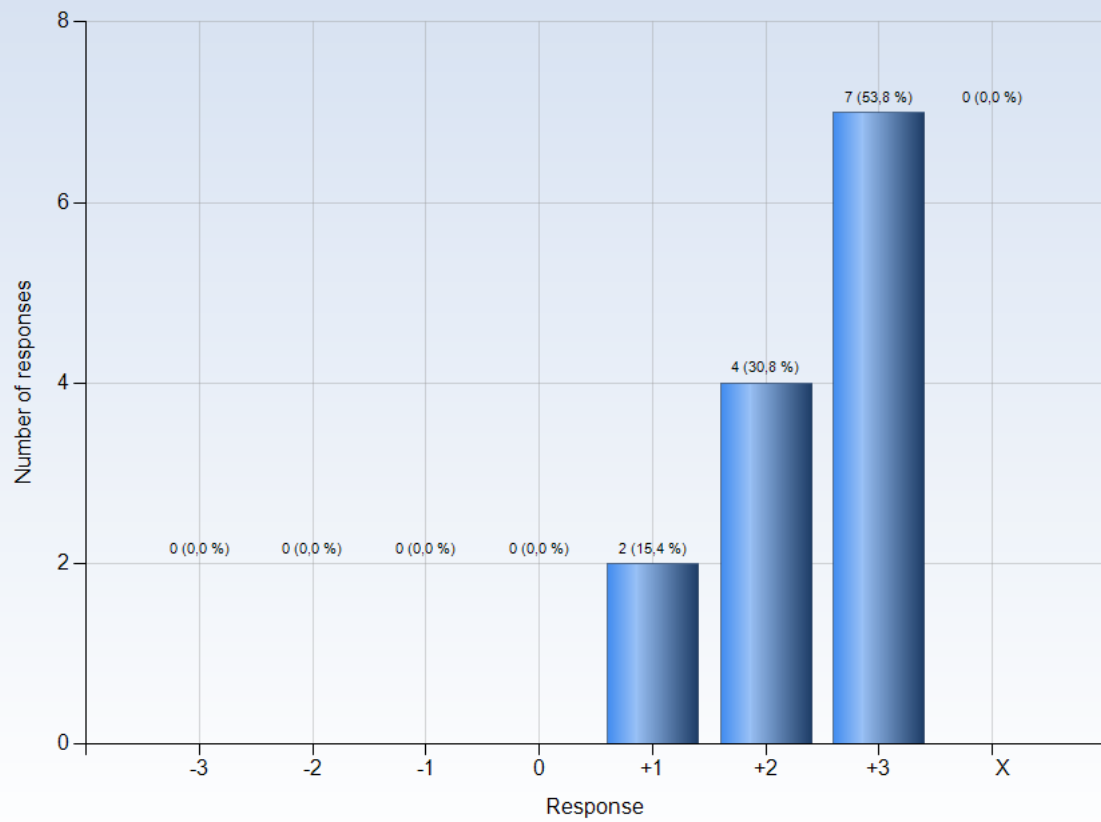
5. I felt togetherness with other course participants



Comments

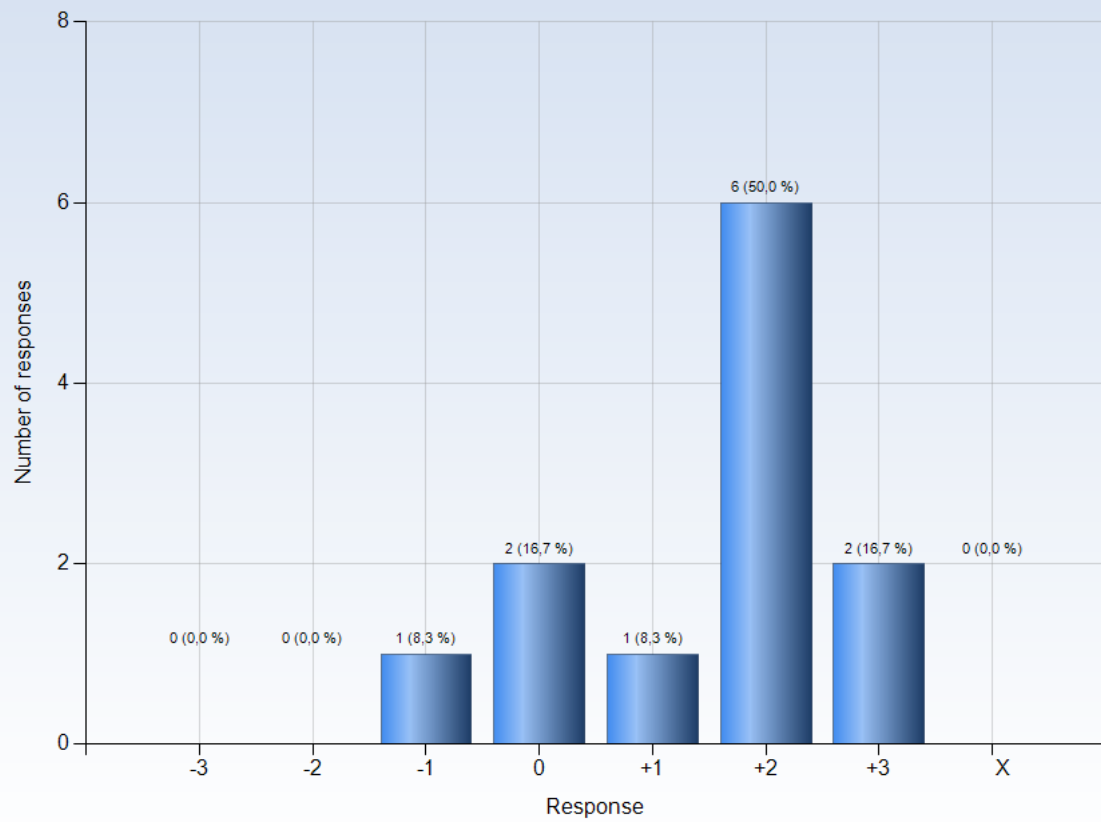
Comments (My response was: X)
don't understand the question

6. The atmosphere in the course was open and inclusive



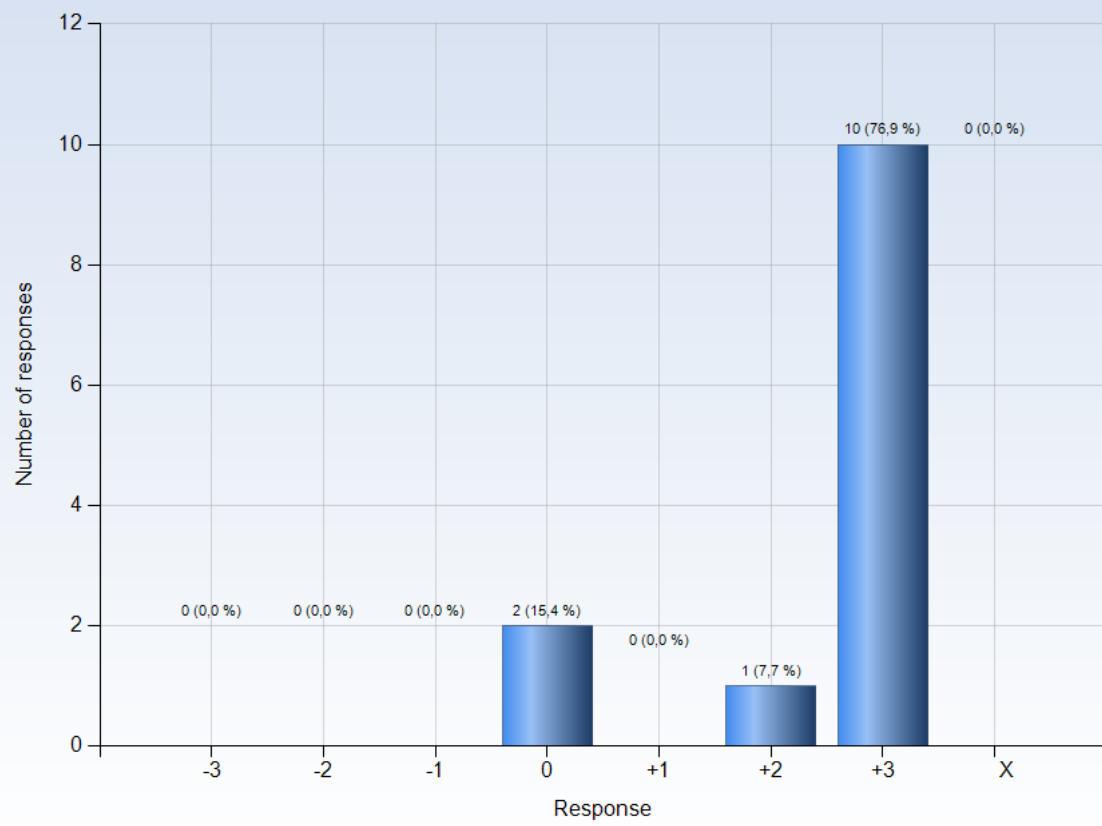
Comments

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



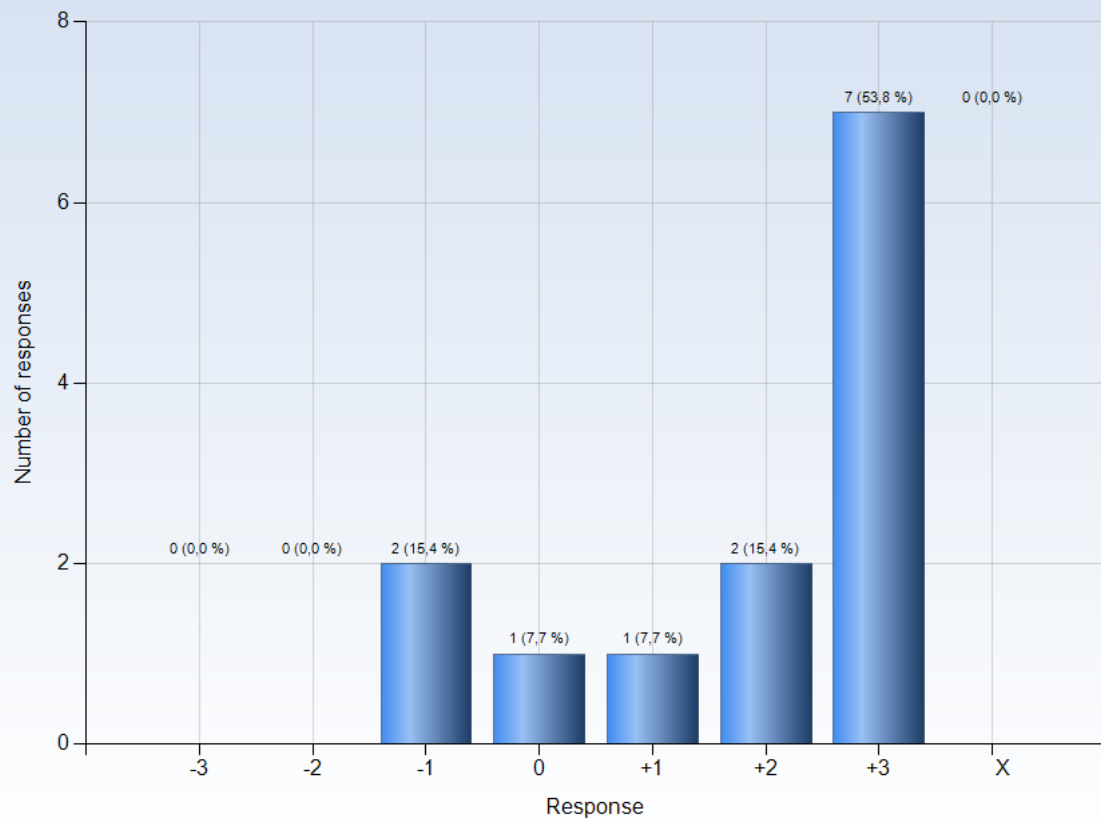
Comments

8. I understood how the course was organized and what I was expected to do



Comments

9. I understood what the teachers were talking about

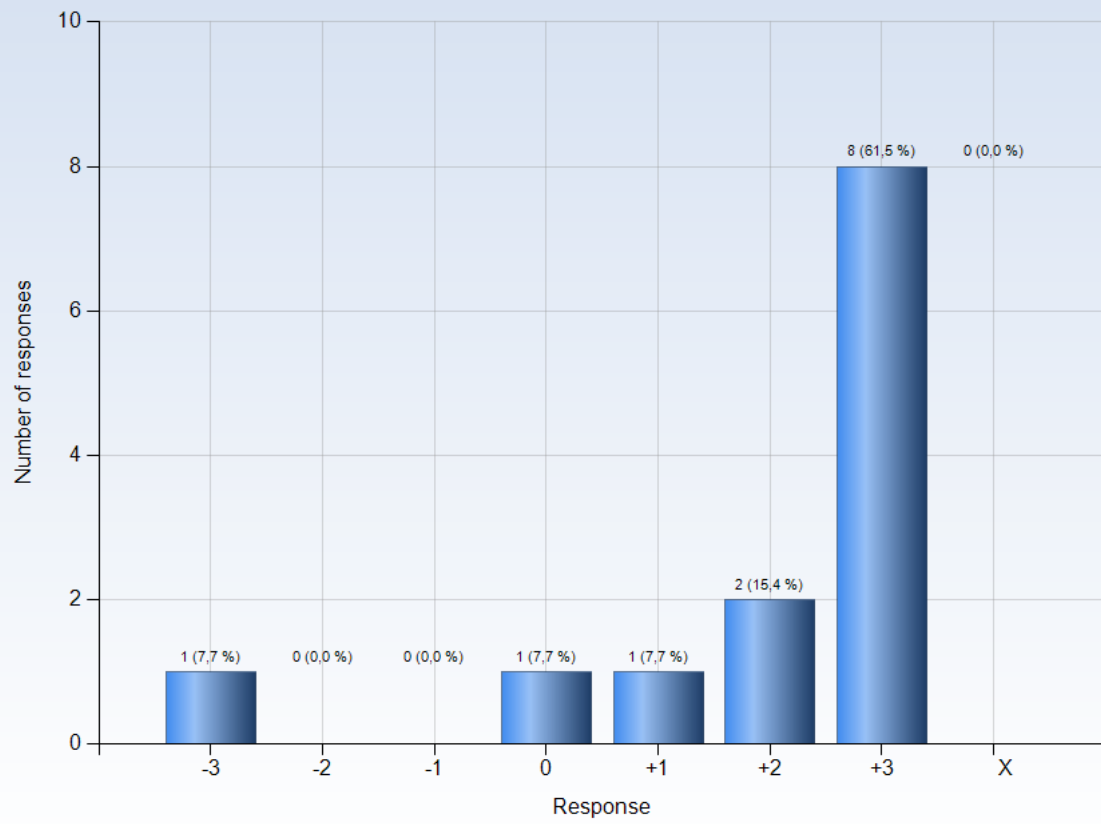


Comments

Comments (My response was: -1)

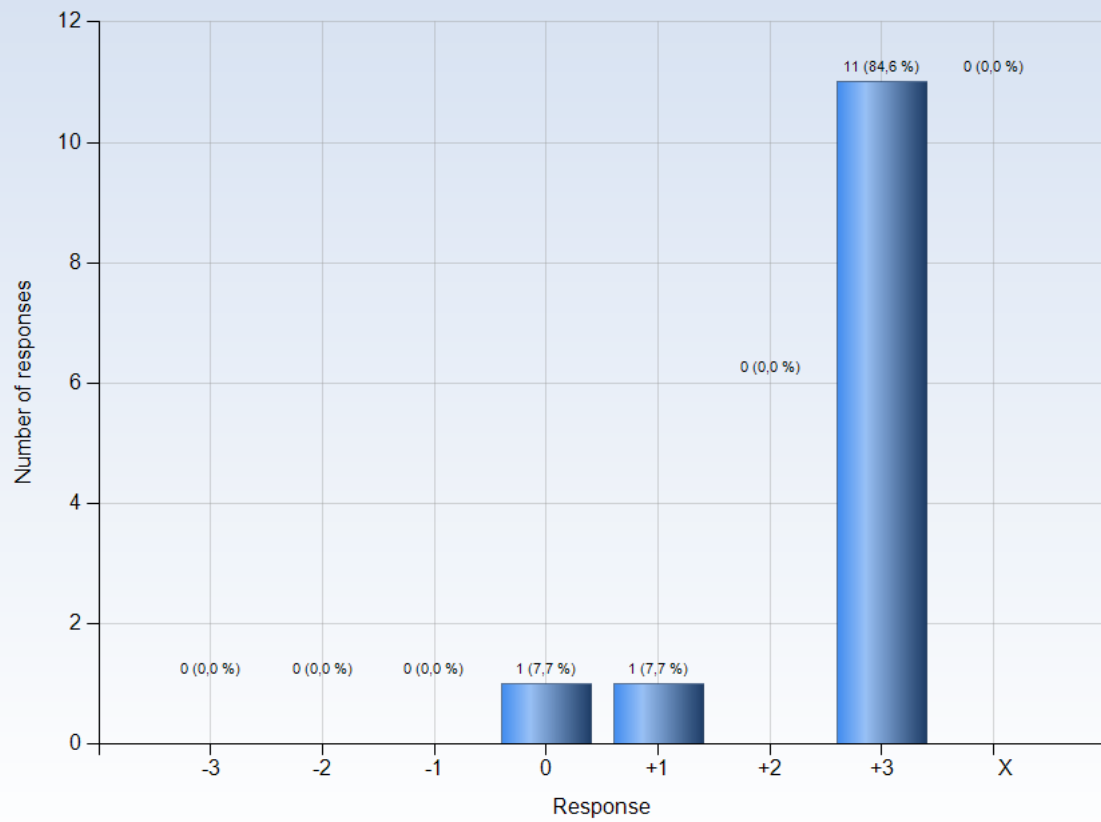
But that's my fault, the teacher did a splendid job

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



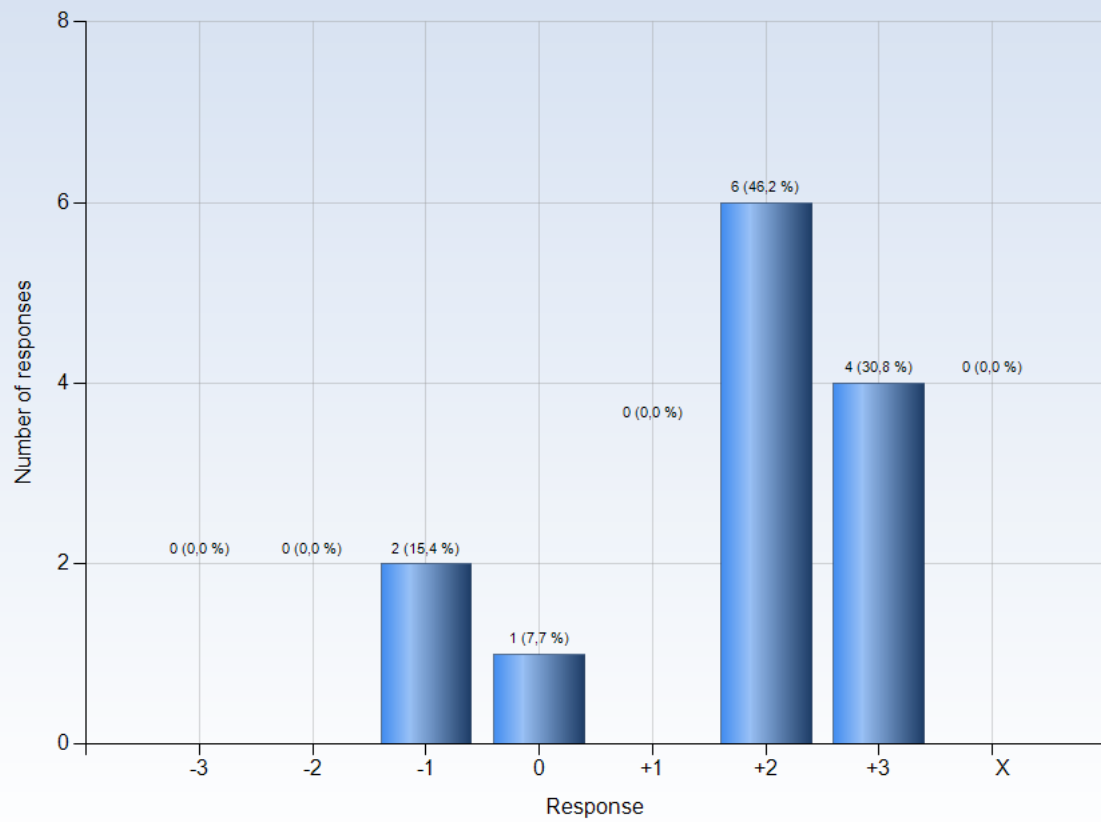
Comments

11. Understanding of key concepts was given high priority



Comments

12. The course activities helped me to reach the learning objectives efficiently

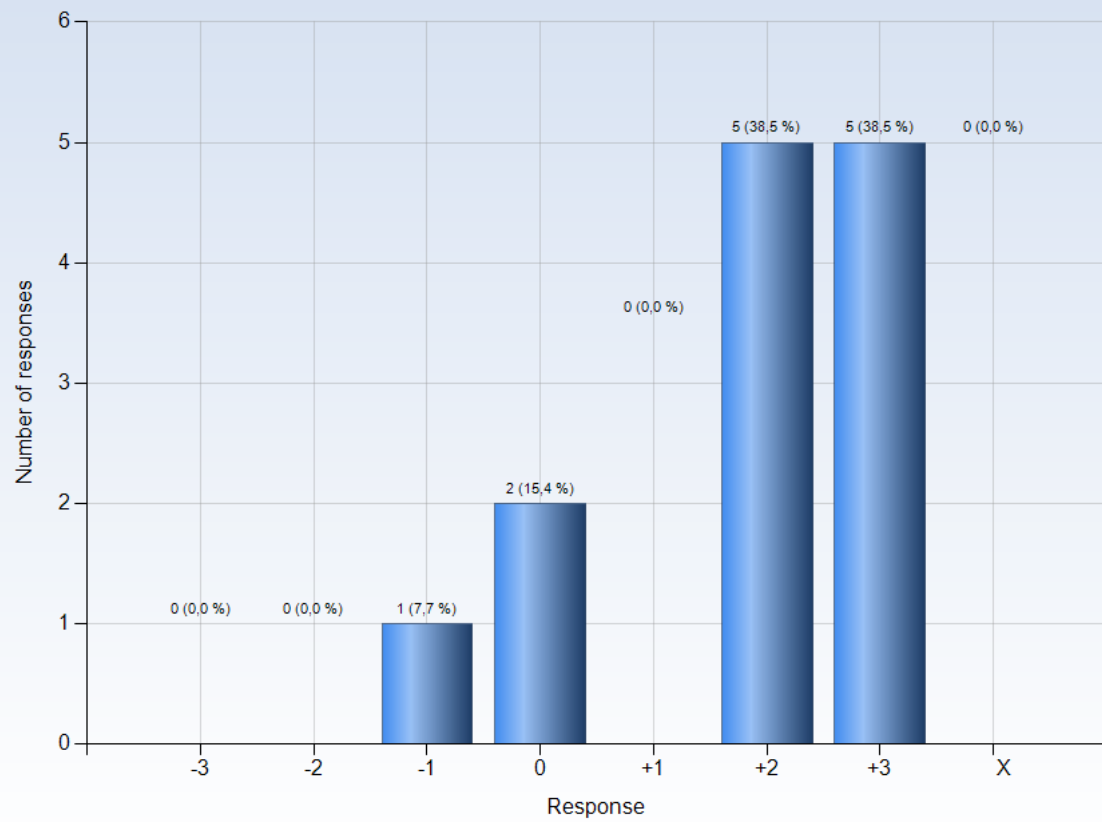


Comments

(My response was: +2)

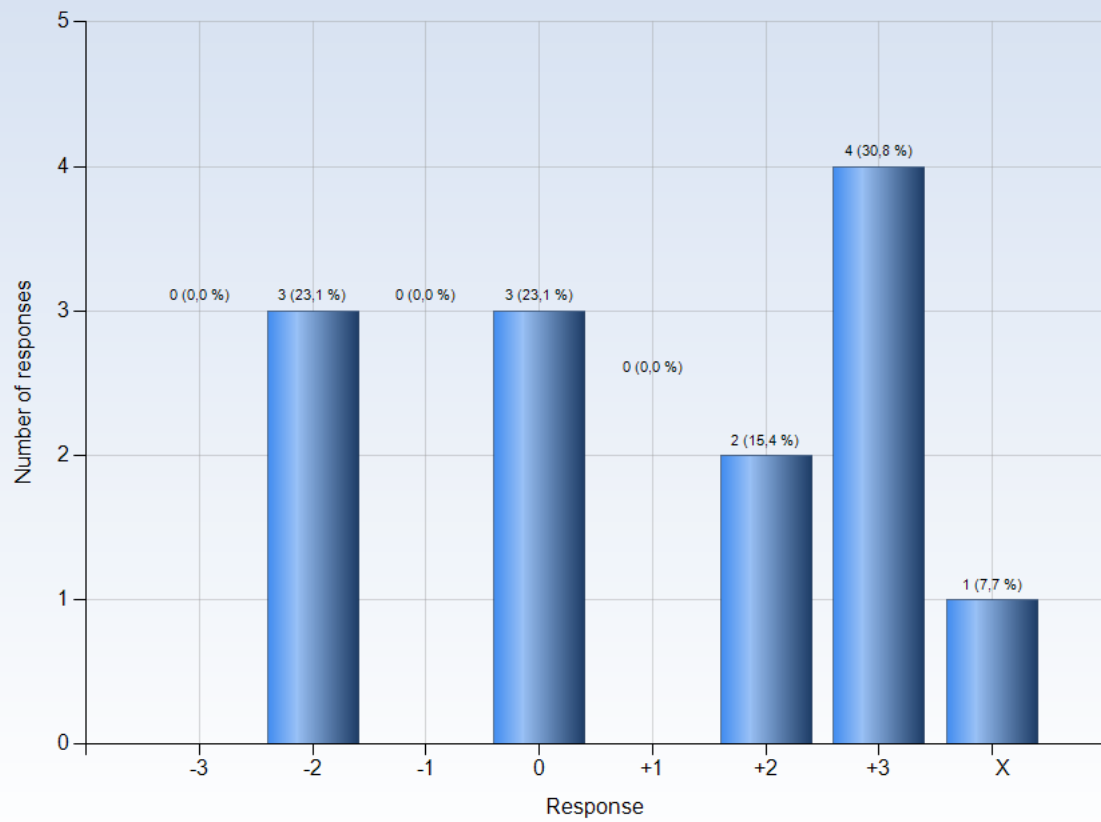
I believe they would, had I only studied

13. I understood what I was expected to learn in order to get a particular grade



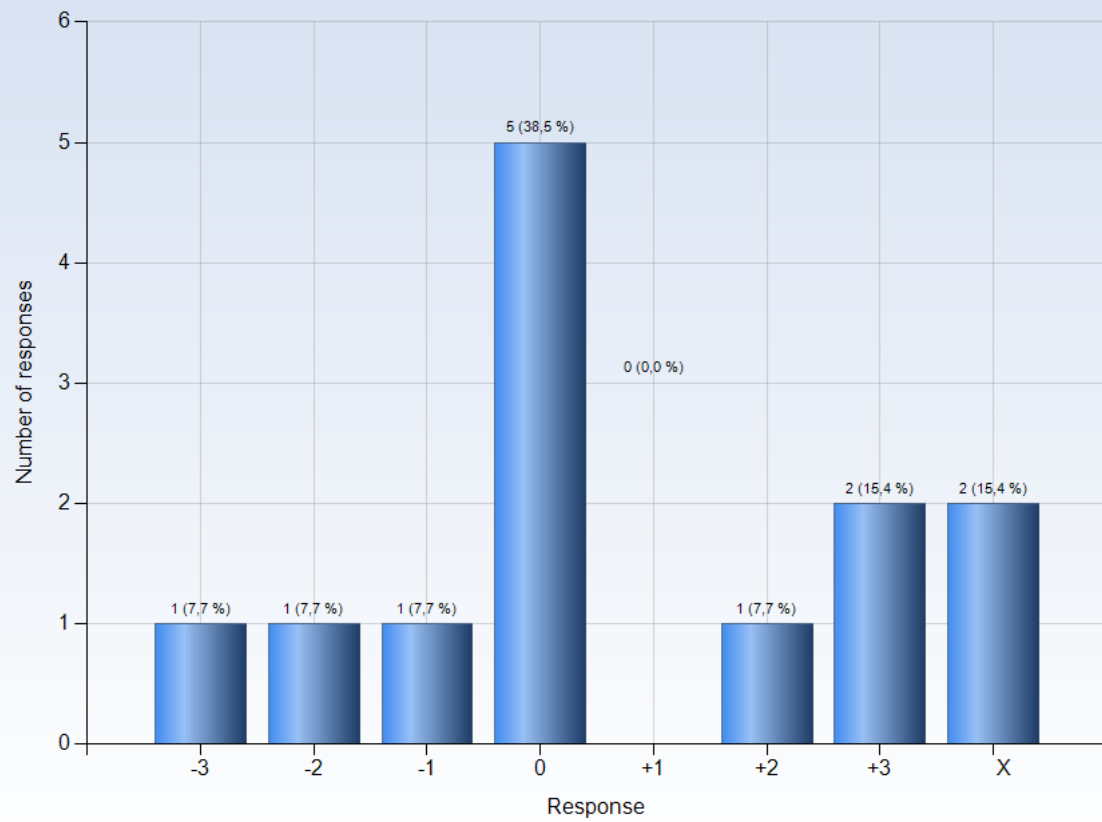
Comments

14. I regularly received feedback that helped me see my progress



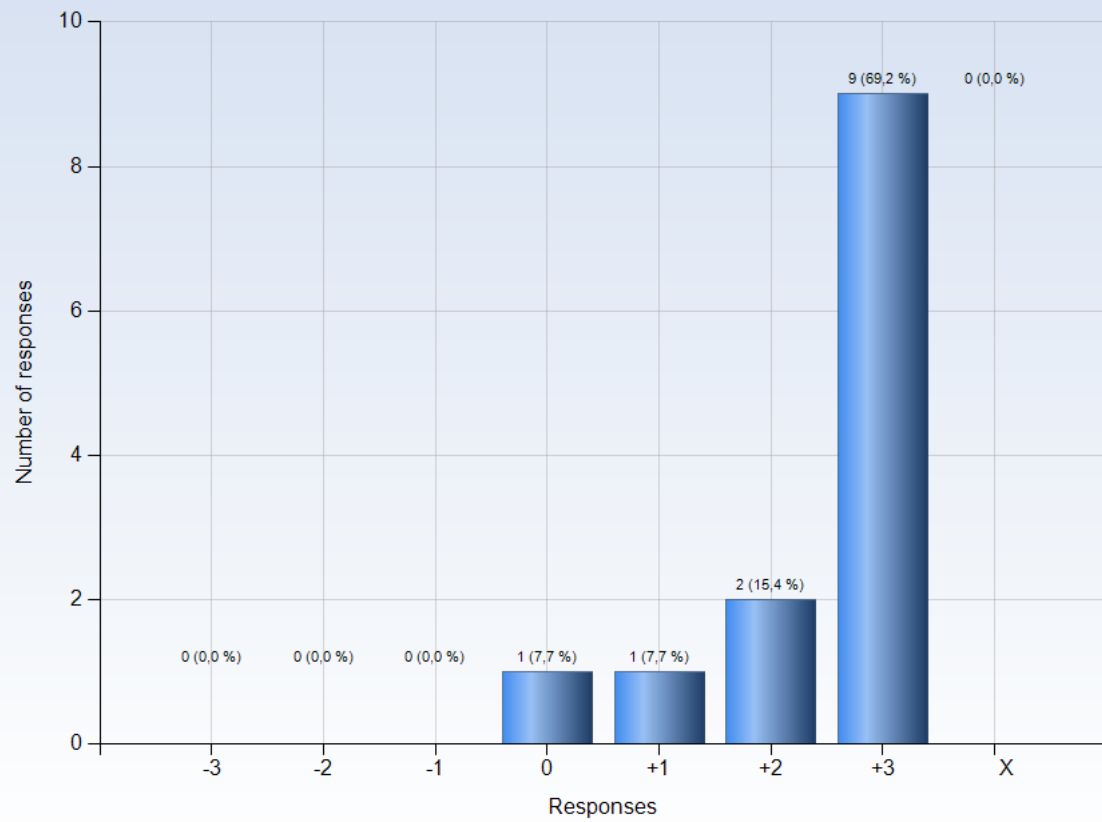
Comments

15. I could practice and receive feedback without any grading being done



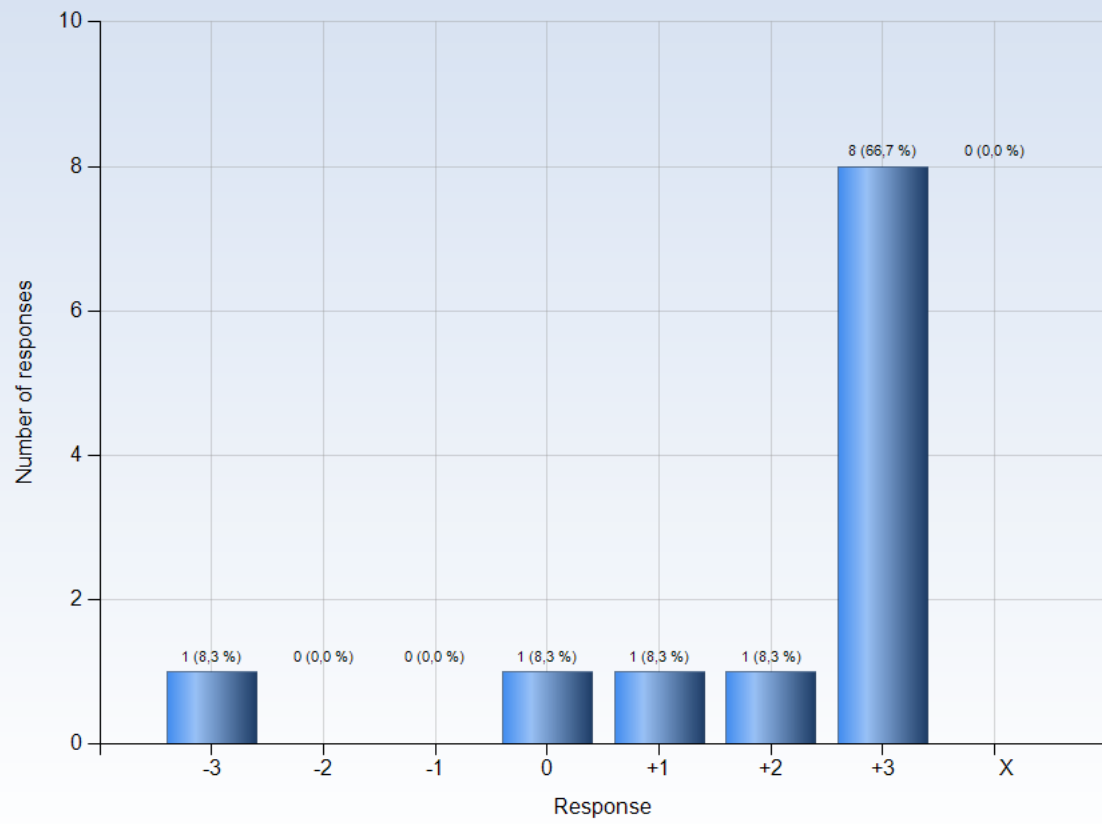
Comments

16. The assessment on the course was fair and honest



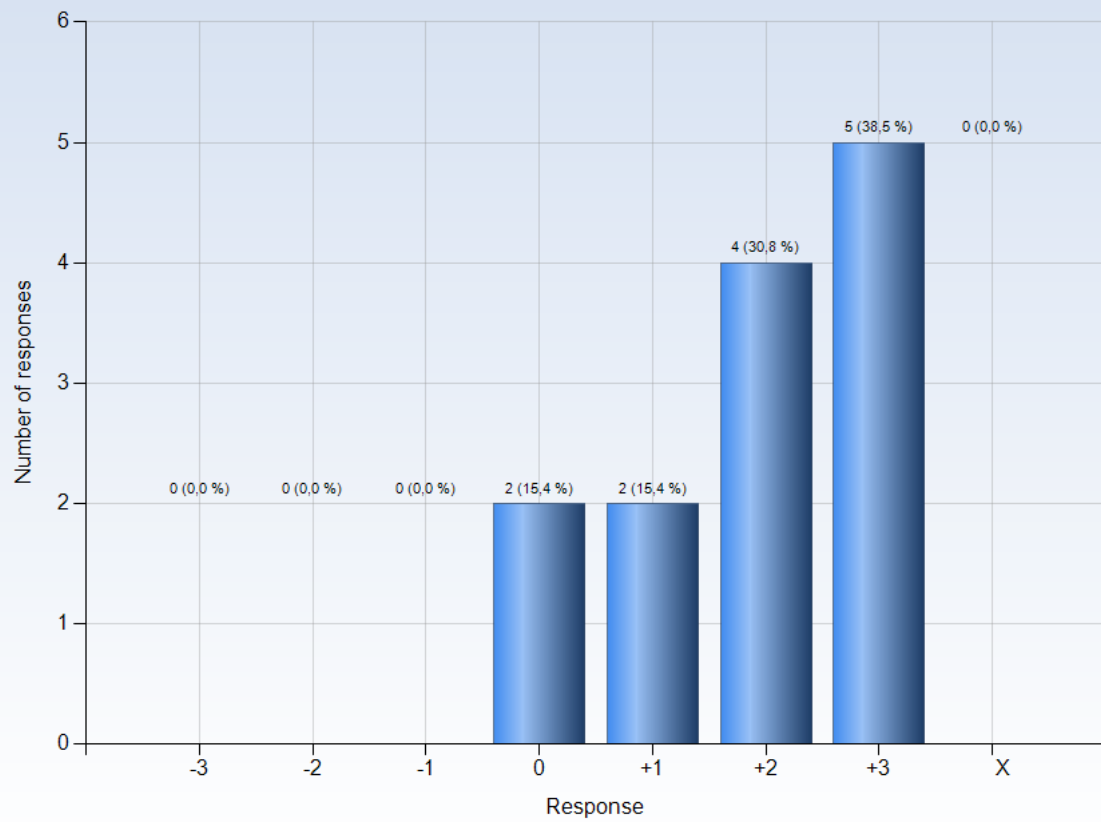
Comments

17. My background knowledge was sufficient to follow the course



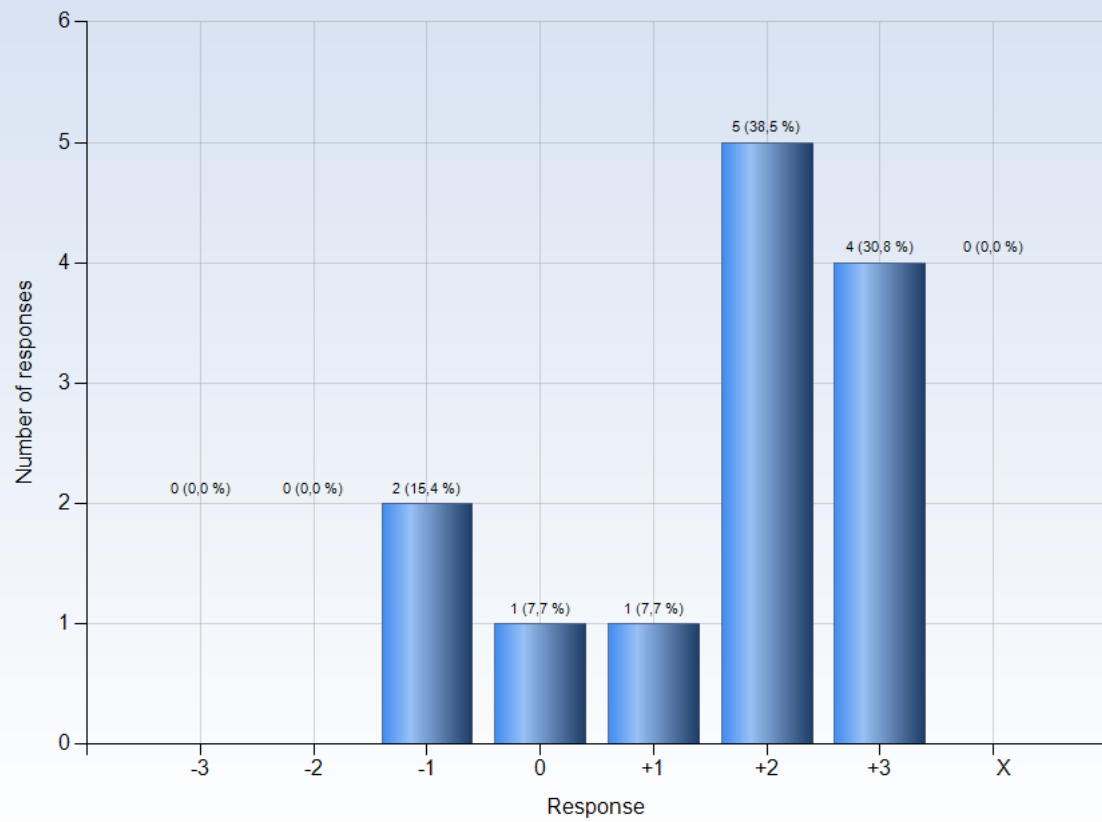
Comments

18. I regularly spent time to reflect on what I learned



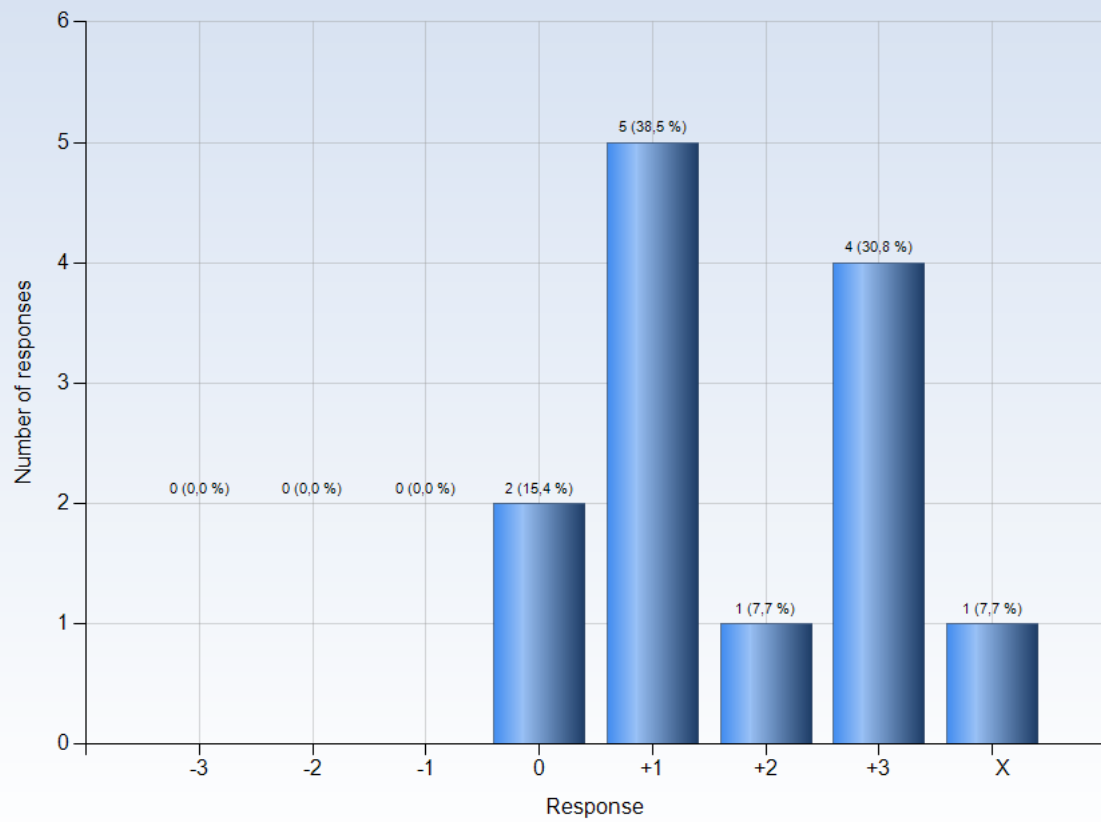
Comments

19. I could learn in a way that suited me



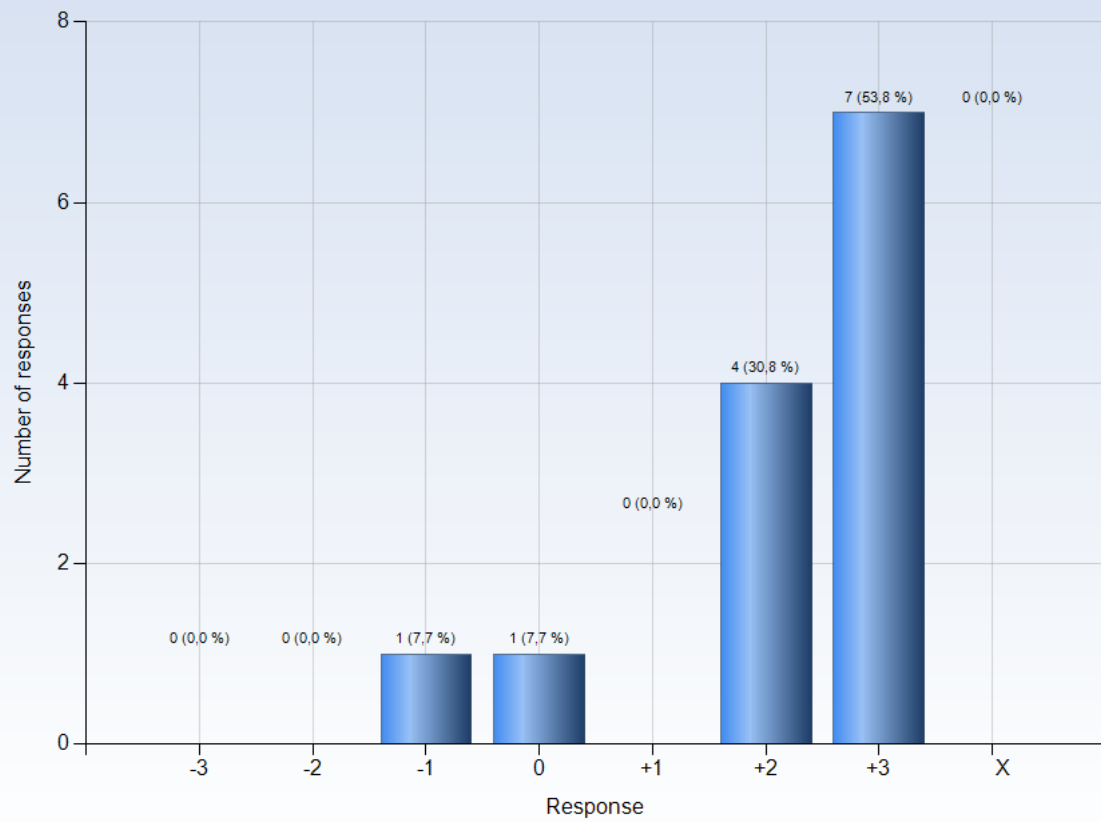
Comments

20. I had opportunities to choose what I was going to do



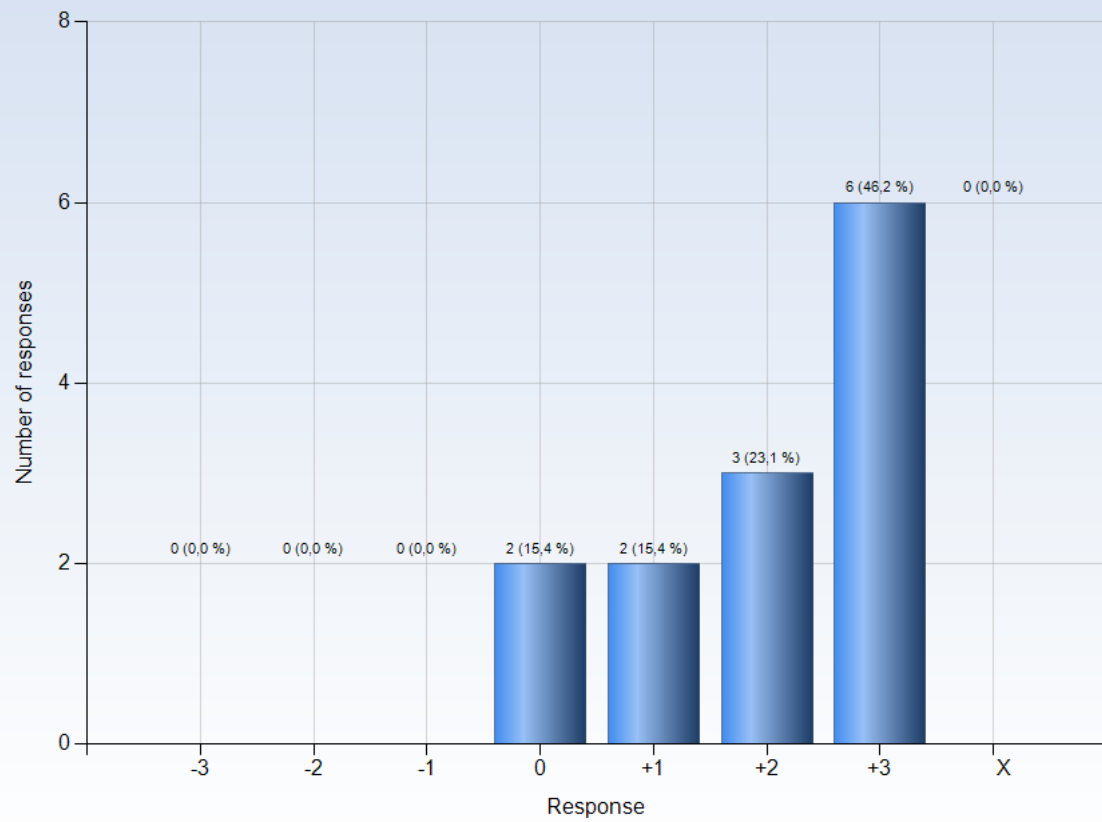
Comments

21. I could learn by collaborating and discussing with others



Comments

22. I could get support if I needed it



Comments