

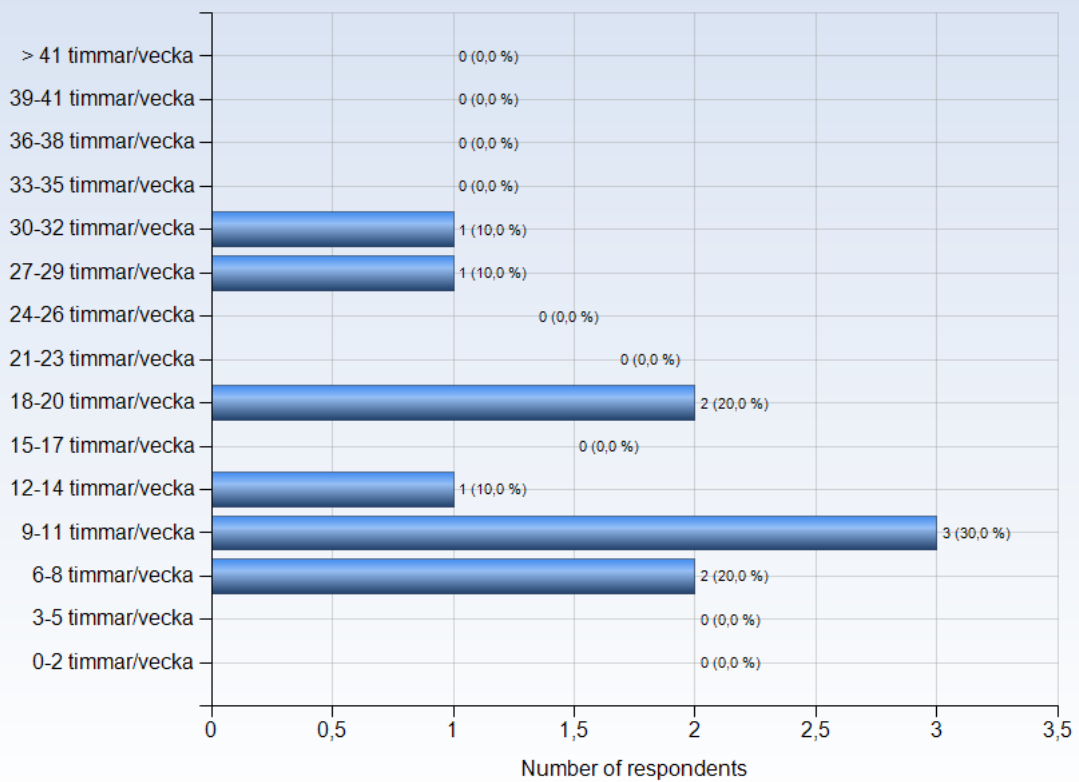


EQ2401 - 2018-03-15

Antal respondenter: 17
Antal svar: 10
Svarsfrekvens: 58,82 %

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:

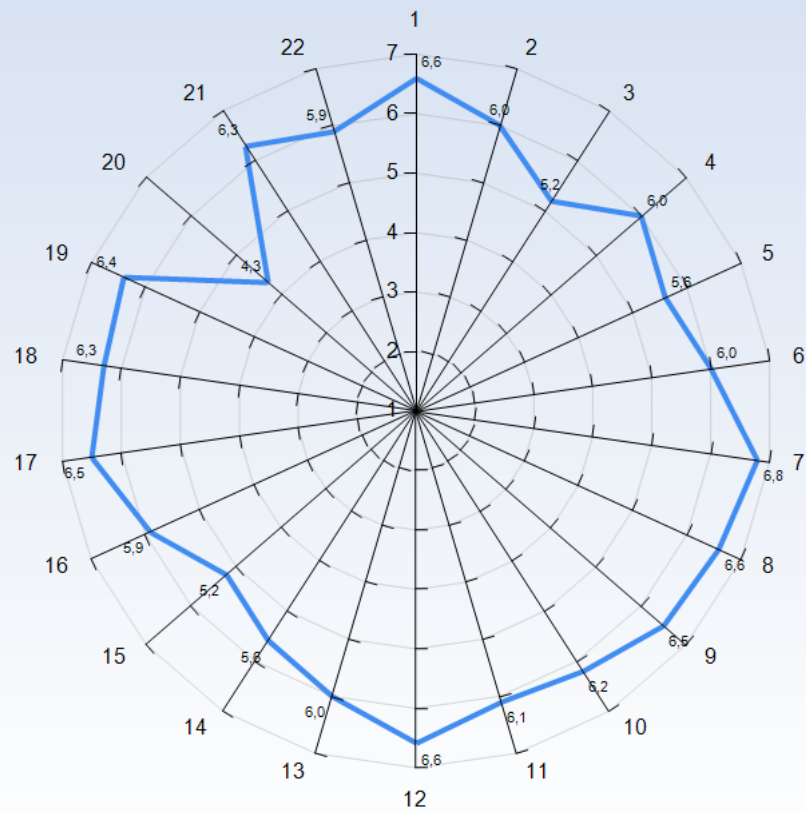
1 = No, I strongly disagree with the statement

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 v3.1.3

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. 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 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 choices

19. I was able to learn in a way that suited me (m)

20. I had opportunities to choose what to do (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, 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 intended learning outcomes, 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 intended learning outcomes
- 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.

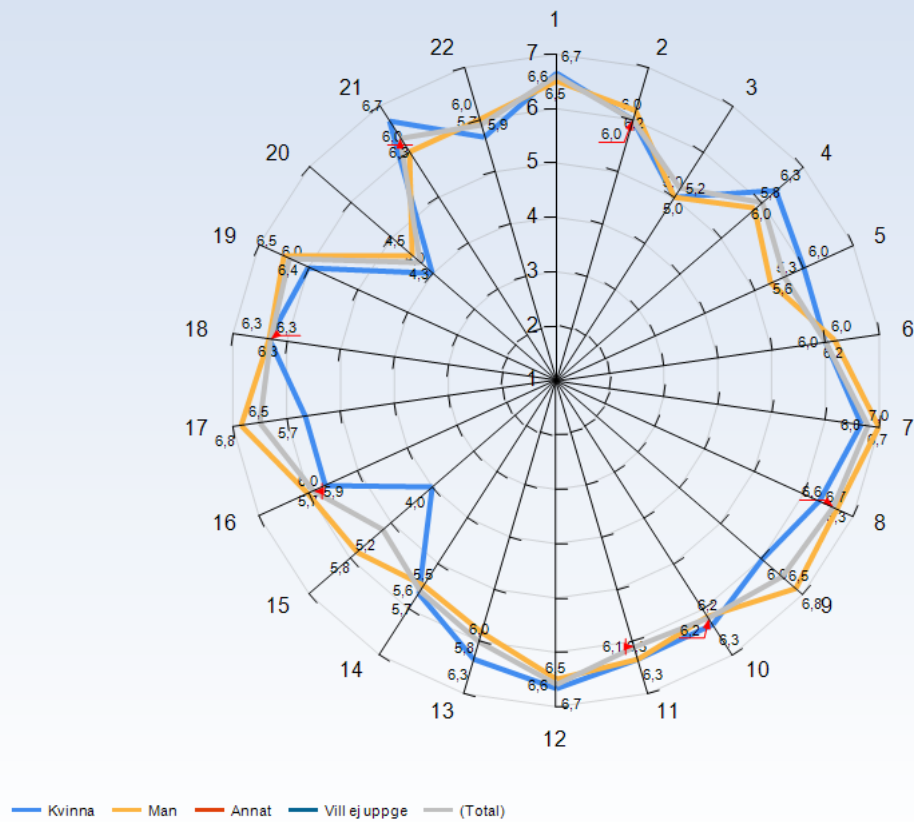
Biggs J. & Tang, C. (2011). *Teaching for Quality Learning at University*, Chapter 6, pp. 95-110. Maidenhead: McGraw Hill.

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.

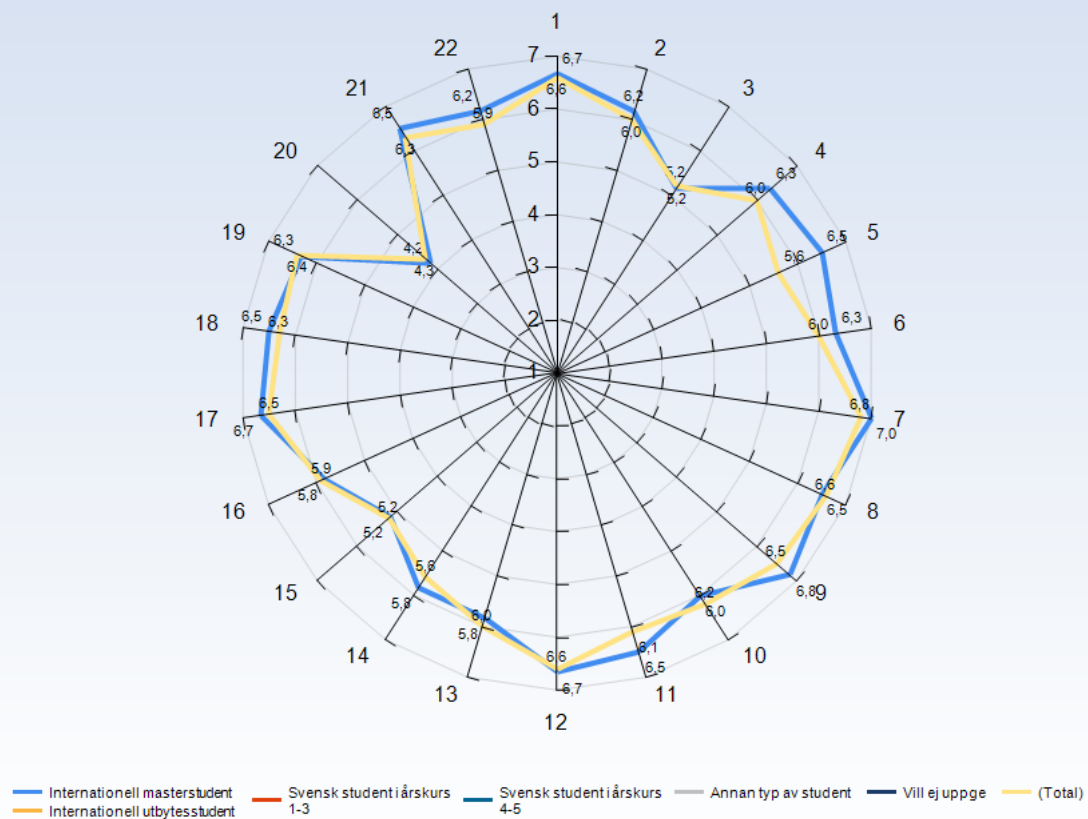
Ramsden, P. (2003). *Learning to Teach in Higher Education*, Chapter 6, pp. 84-105. New York: RoutledgeFalmer.

Average response to LEQ statements - per gender



Comments

Average response to LEQ statements - per type of student



Comments

Comments (I am: Annan typ av student)
International double degree student



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 teaching method was the best aspect.

Magnus is a great teacher.

The clarity of the course material.

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

Labs were very helpful for understanding key concepts

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

The projects

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

lectures and tutorials were very good

What was the best aspect of the course? (I worked: 27-29 timmar/vecka)

Reviewing previous lectures at the beginning of each lecture and the motivation of the professor

What was the best aspect of the course? (I worked: 30-32 timmar/vecka)

The projects are very helpful to understand those concepts.

What would you suggest to improve?

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

The feedback on the homeworks wasn't so great. Uploading the homework solutions would have been more helpful.

Maybe make the projects more interactive than direct algorithm implementations. Also delve deeper into particle filters and integrating more modern methods into the material.

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

Add some discussion on the homework at the beginning of the tutorials

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

Projects were difficult but very important to understand key concepts of this course! Maybe more hints in order to succeed the project

What would you suggest to improve? (I worked: 27-29 timmar/vecka)

Give a list of the problems that are going to be addressed at the tutorials so the students can go there and ask concrete questions. Also, give a list of useful problems from the exercise book, or improve the exercise book so it only contains useful problems.

What would you suggest to improve? (I worked: 30-32 timmar/vecka)

We can have more projects.

What advice would you like to give to future participants?

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

Try to do all the homeworks! Very helpful for the exam

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

Do the homework problems and spend enough time on them

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

do the homeworks
follow lectures

What advice would you like to give to future participants? (I worked: 27-29 timmar/vecka)

Start studying and understanding the equations from the very beginning.

Is there anything else you would like to add?

Is there anything else you would like to add? (I worked: 6-8 timmar/vecka)

Nope! The course was very nice in general



SPECIFIC QUESTIONS

RESPONSE DATA

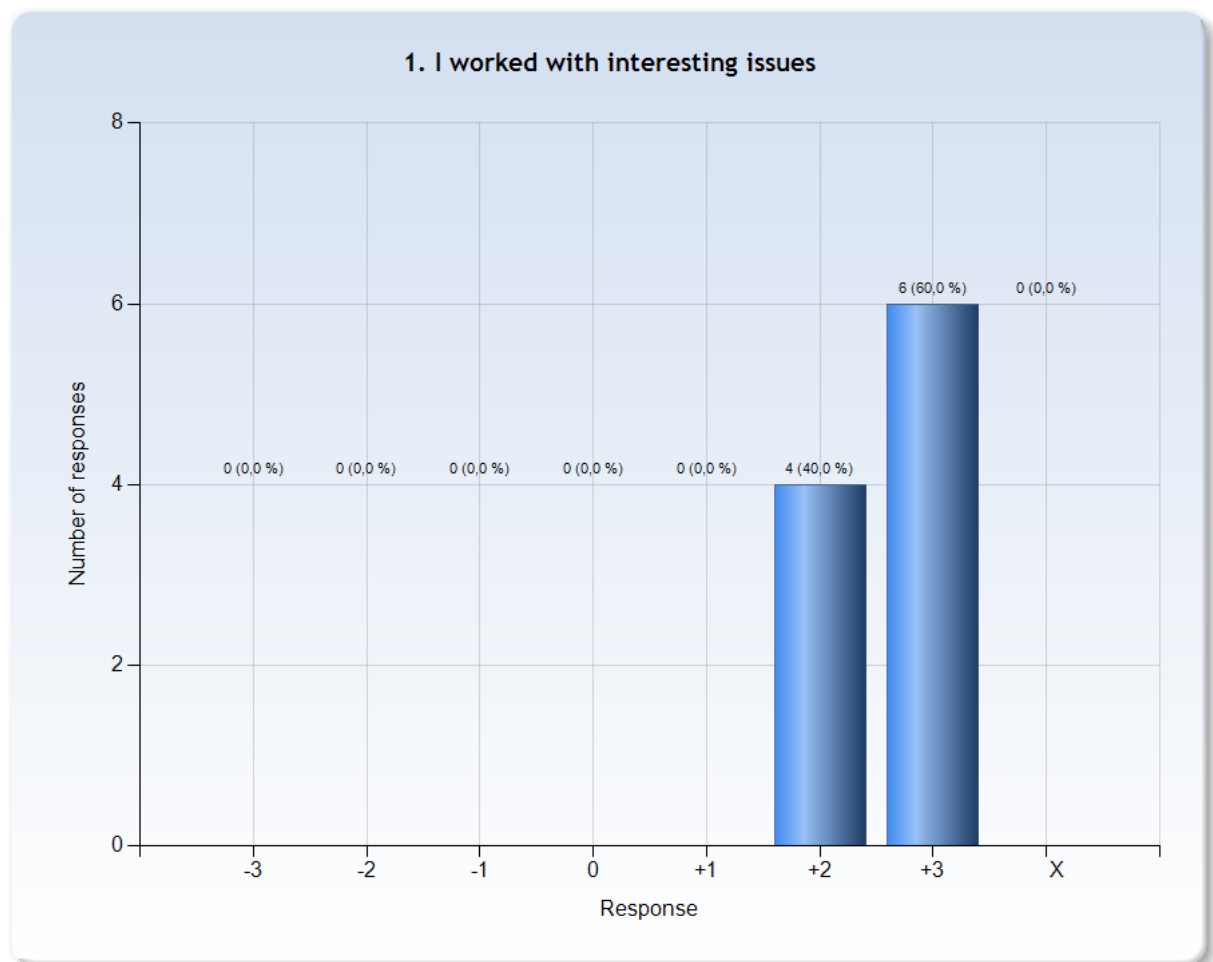
The diagrams below show the detailed response to the LEQ statements. The response scale is defined by:

-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

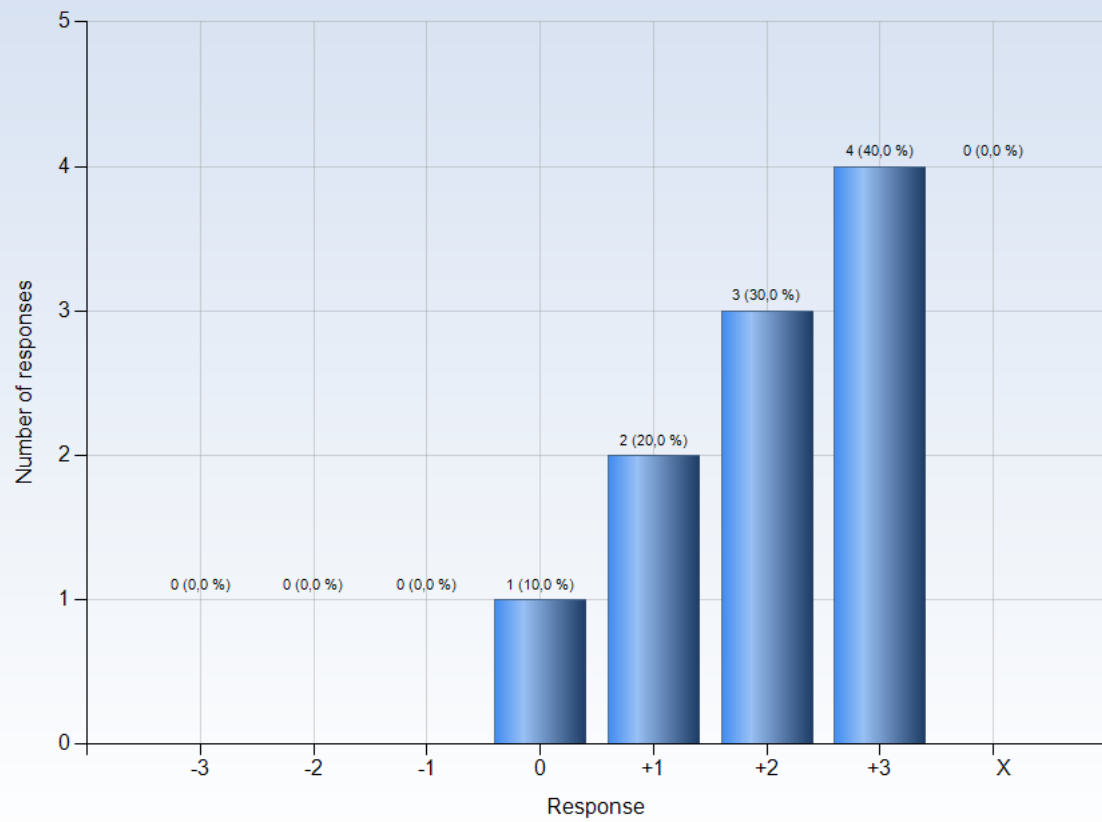


Comments

Comments (My response was: +2)

The content was extremely concise and we'll explained. However, the core course material ended at a more basic level than I was expecting.

2. I explored parts of the subject on my own

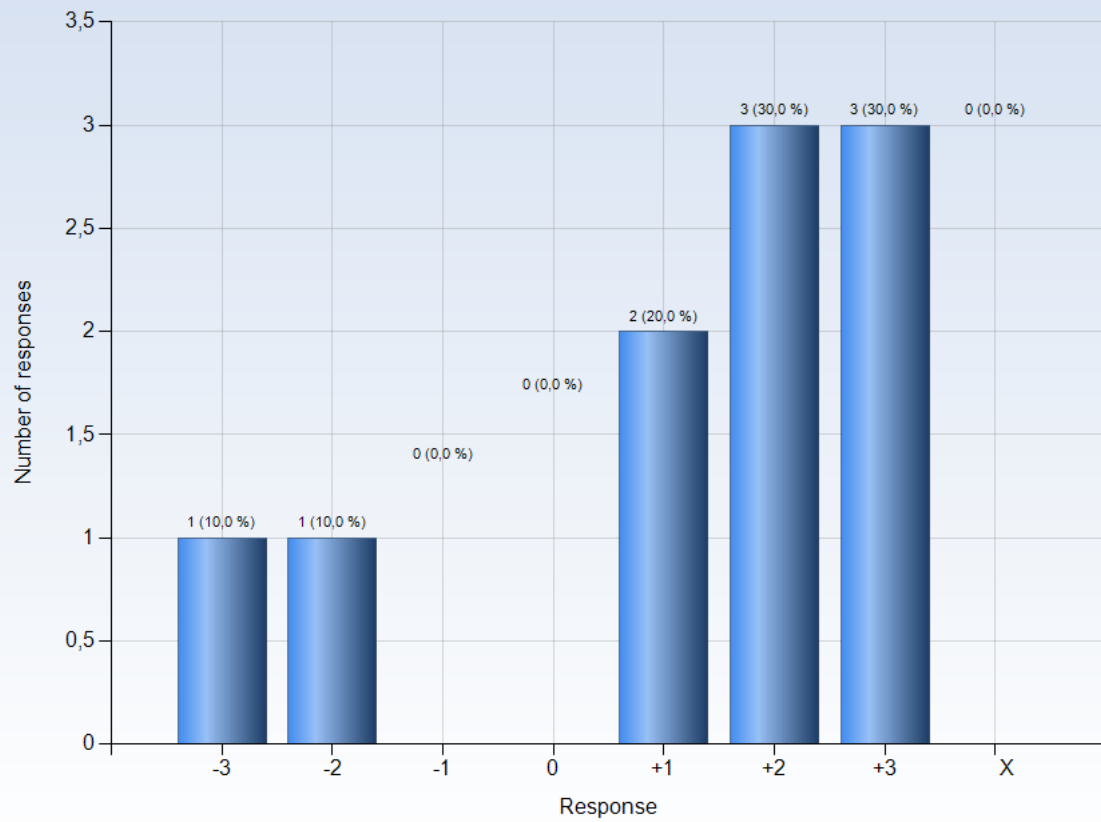


Comments

Comments (My response was: +3)

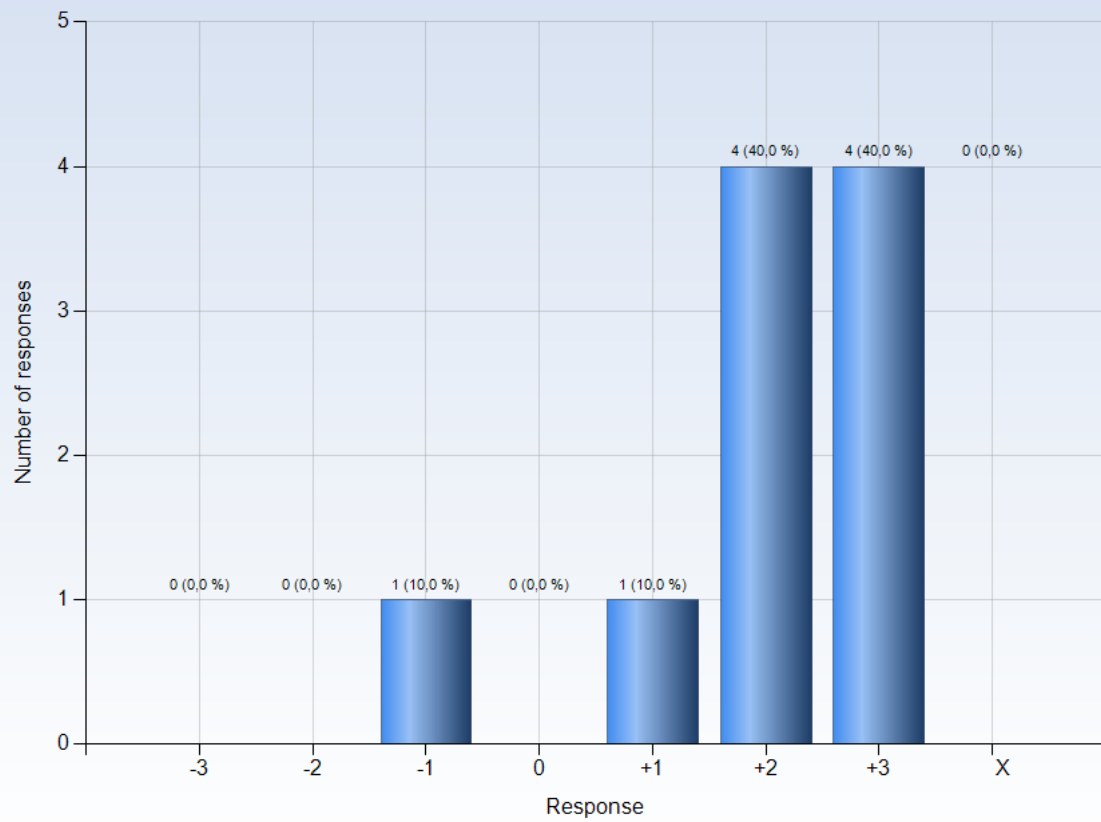
There was enough motivating topics to explore though individual research. And the references in the book we're very well documented.

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



Comments

4. The course was challenging in a stimulating way

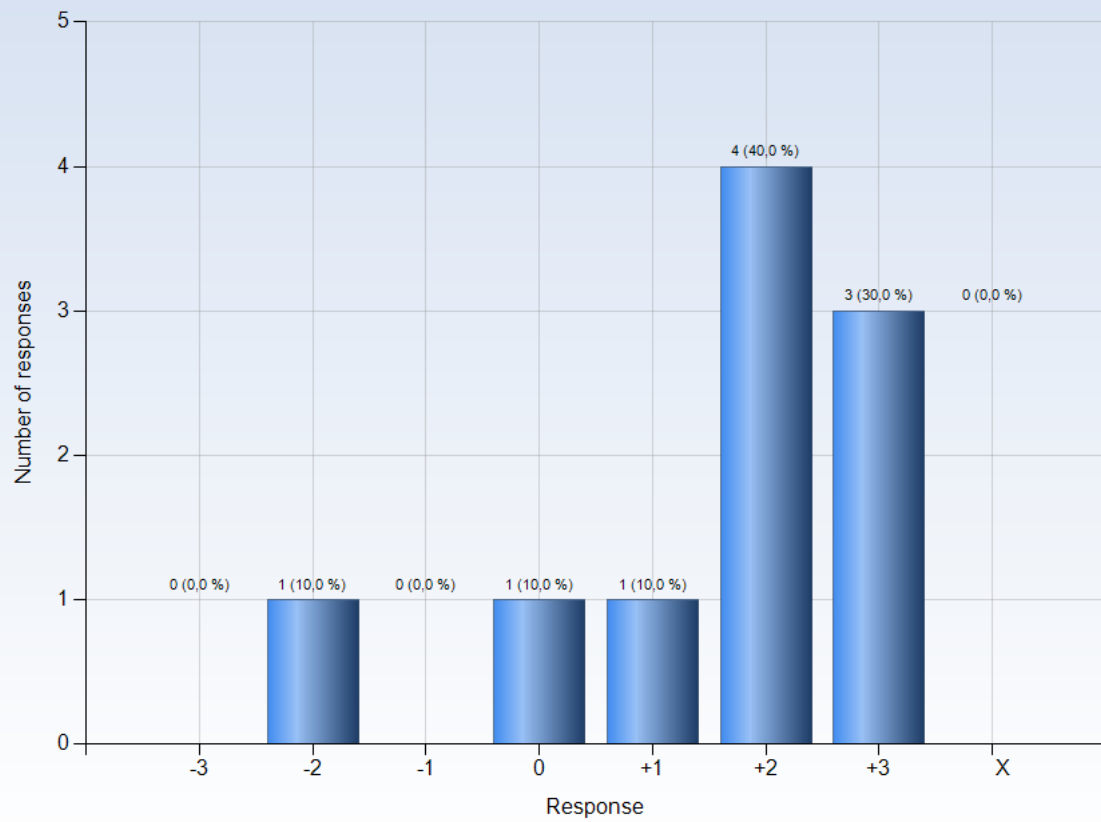


Comments

Comments (My response was: -1)

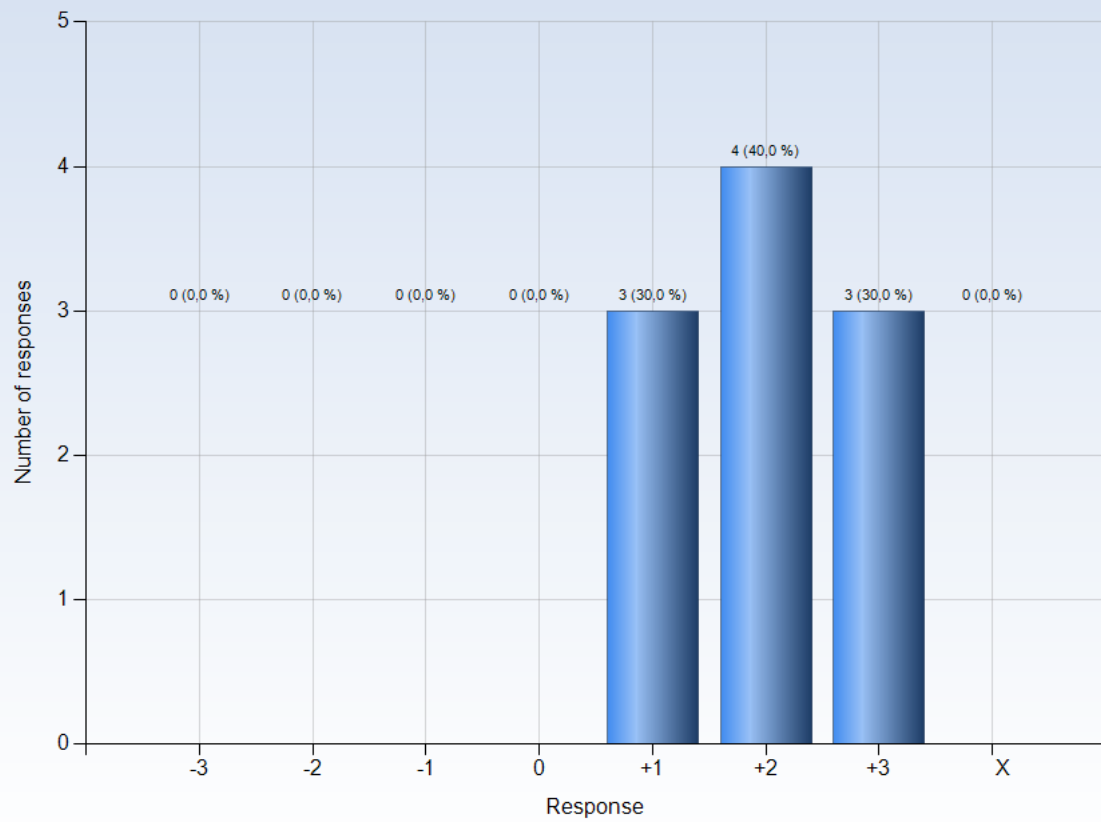
Although the content pushed my understanding in signal processing, I craved a slightly more challenging course to deepen my knowledge

5. I felt togetherness with others on the course



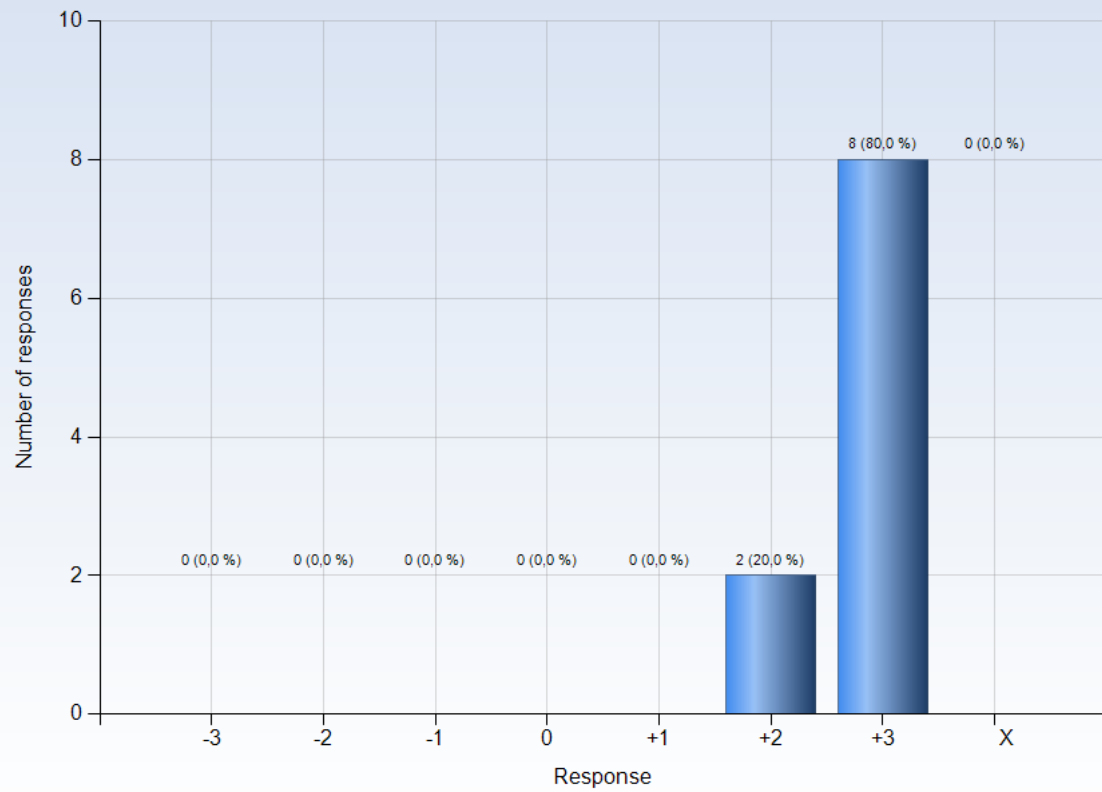
Comments

6. The atmosphere on the course was open and inclusive



Comments

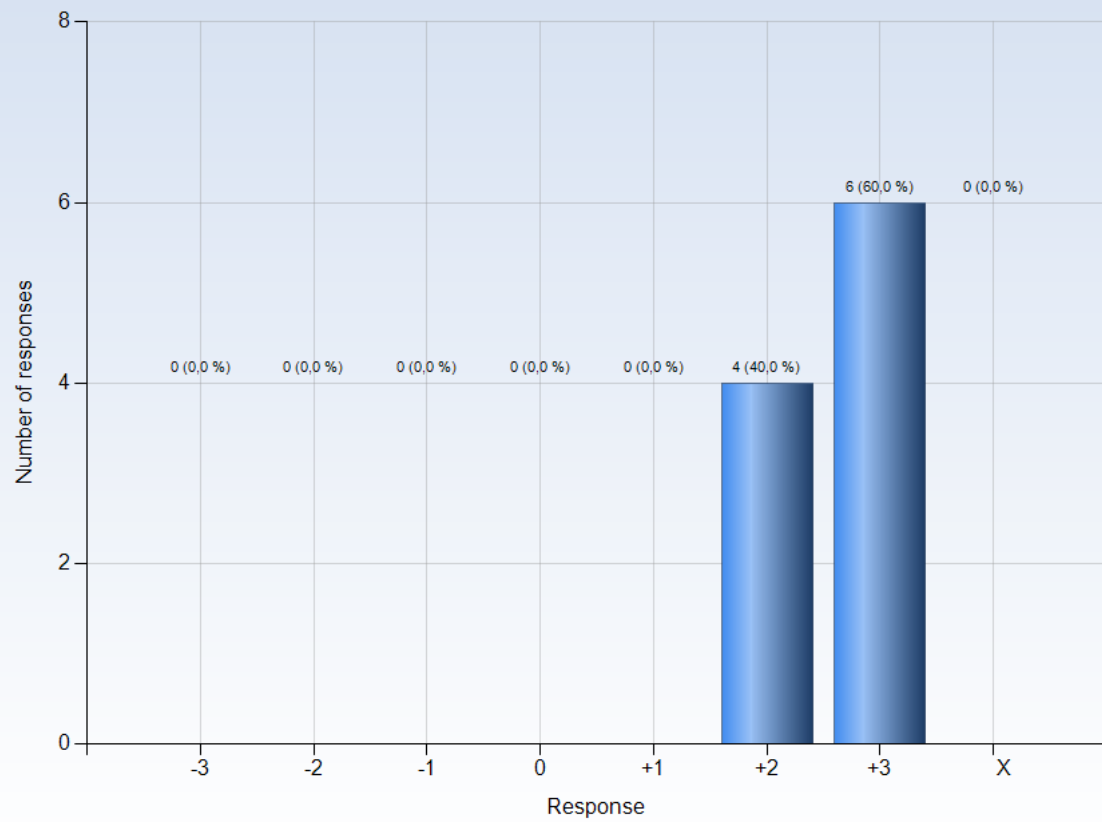
7. The intended learning outcomes helped me to understand what I was expected to achieve



Comments

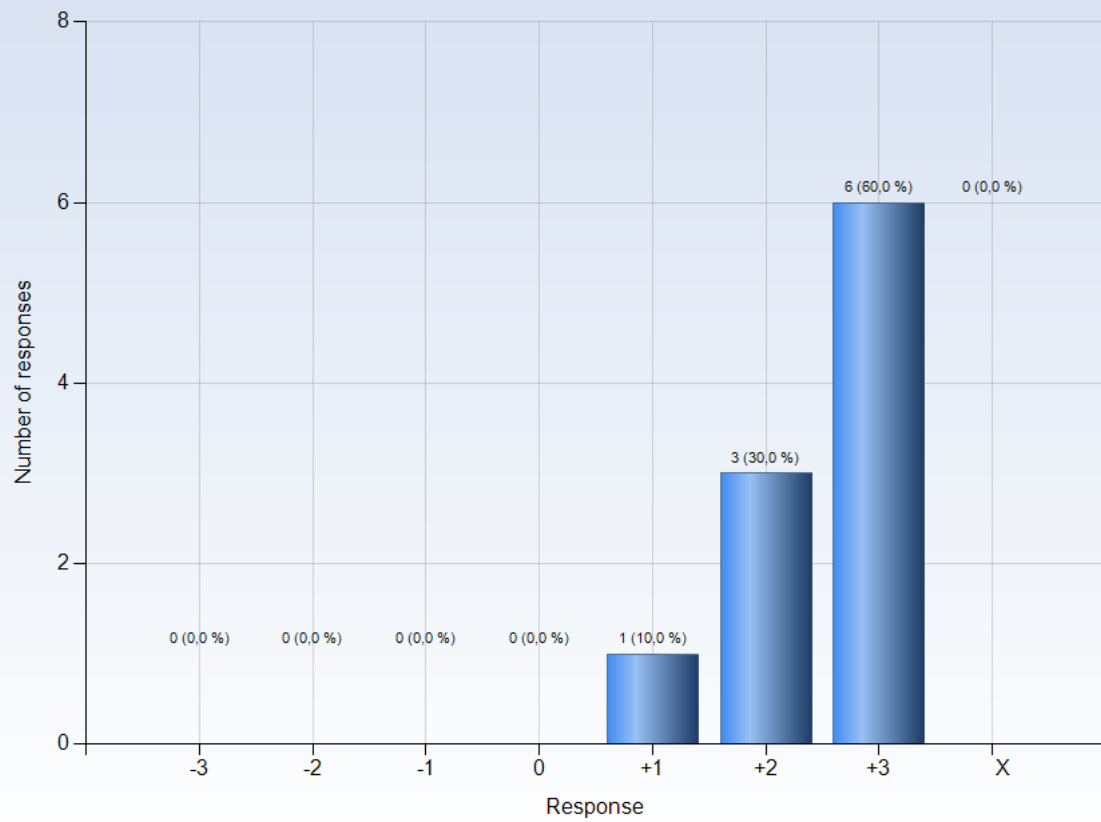
Comments (My response was: +3)
Especially the projects

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



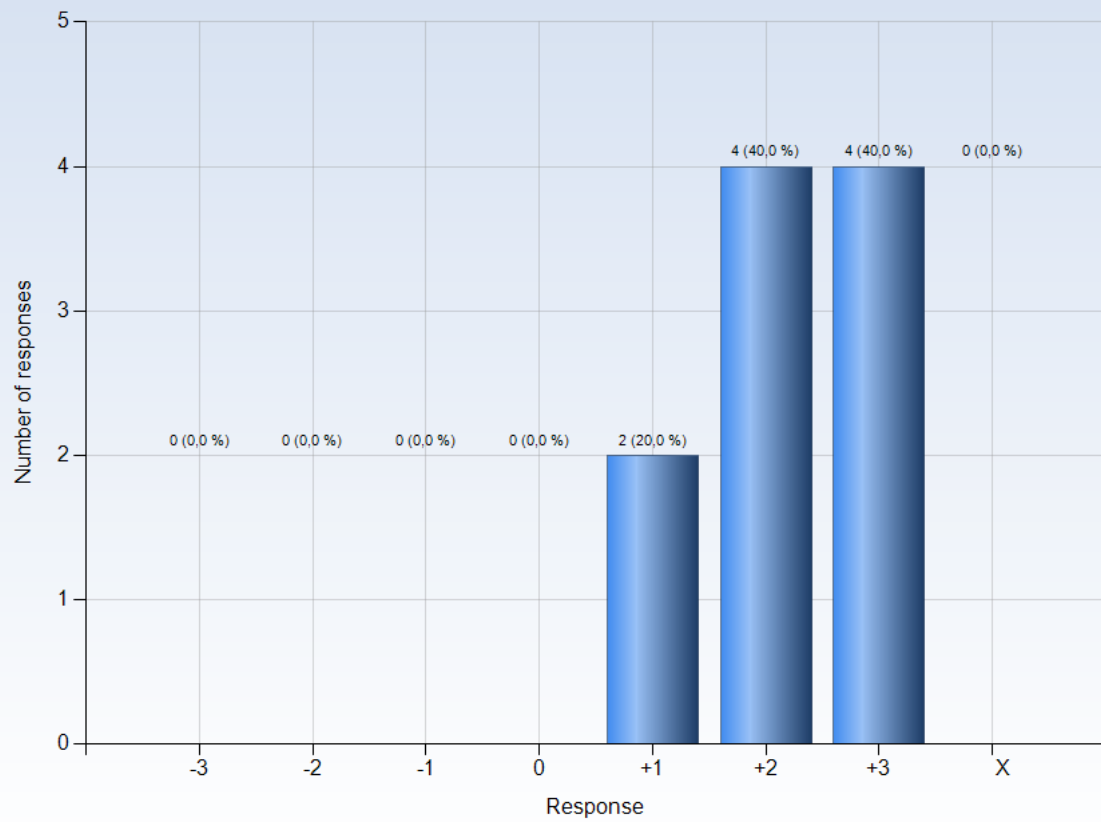
Comments

9. I understood what the teachers were talking about



Comments

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

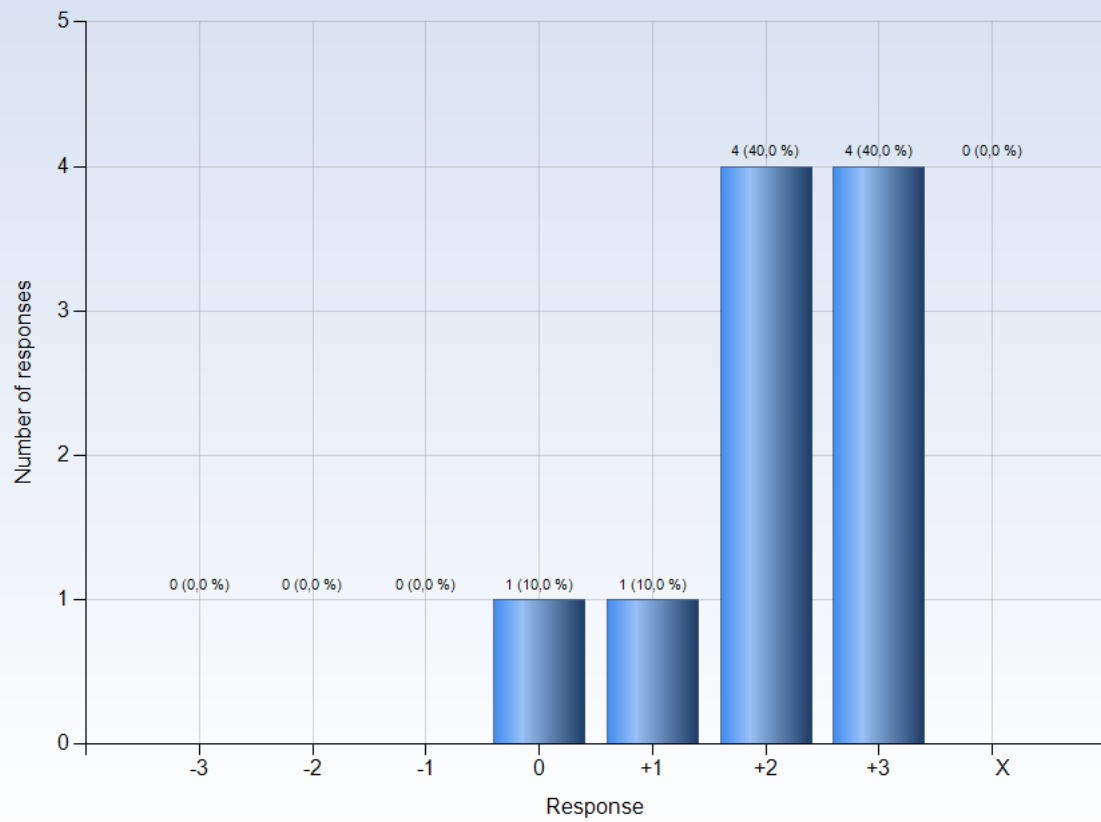


Comments

Comments (My response was: +1)

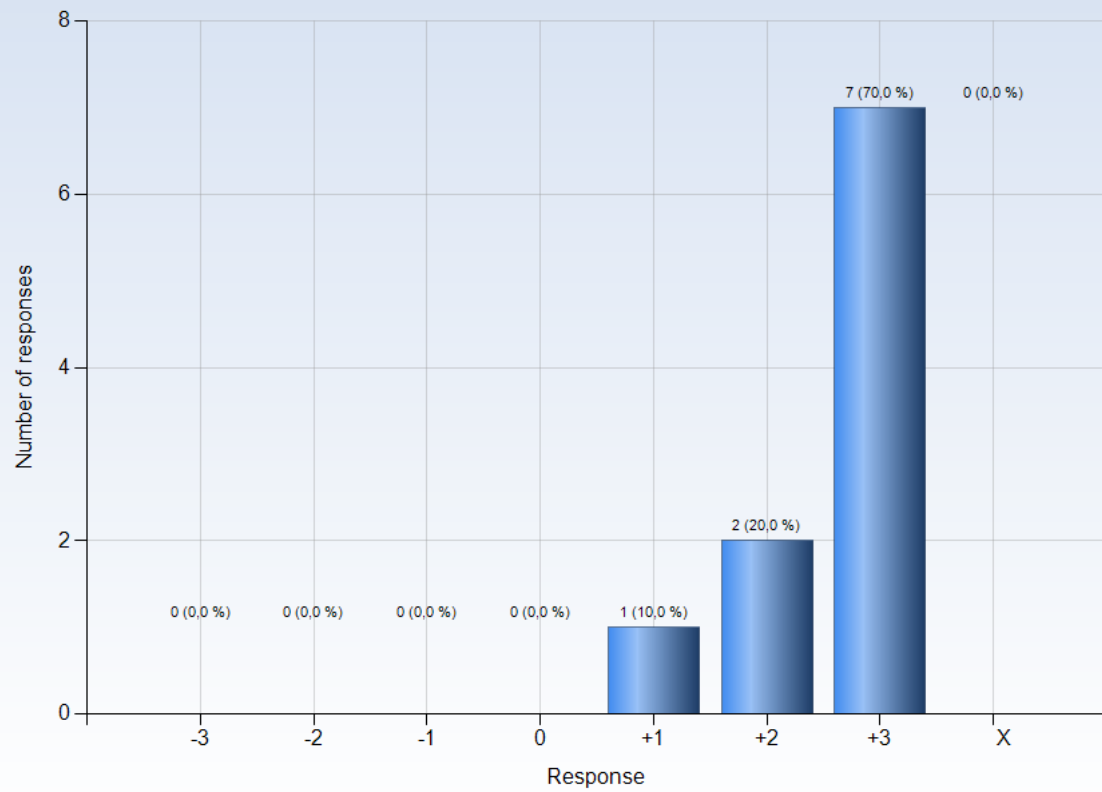
Comment below on 'What would you suggest to improve?'

11. Understanding of key concepts had high priority



Comments

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

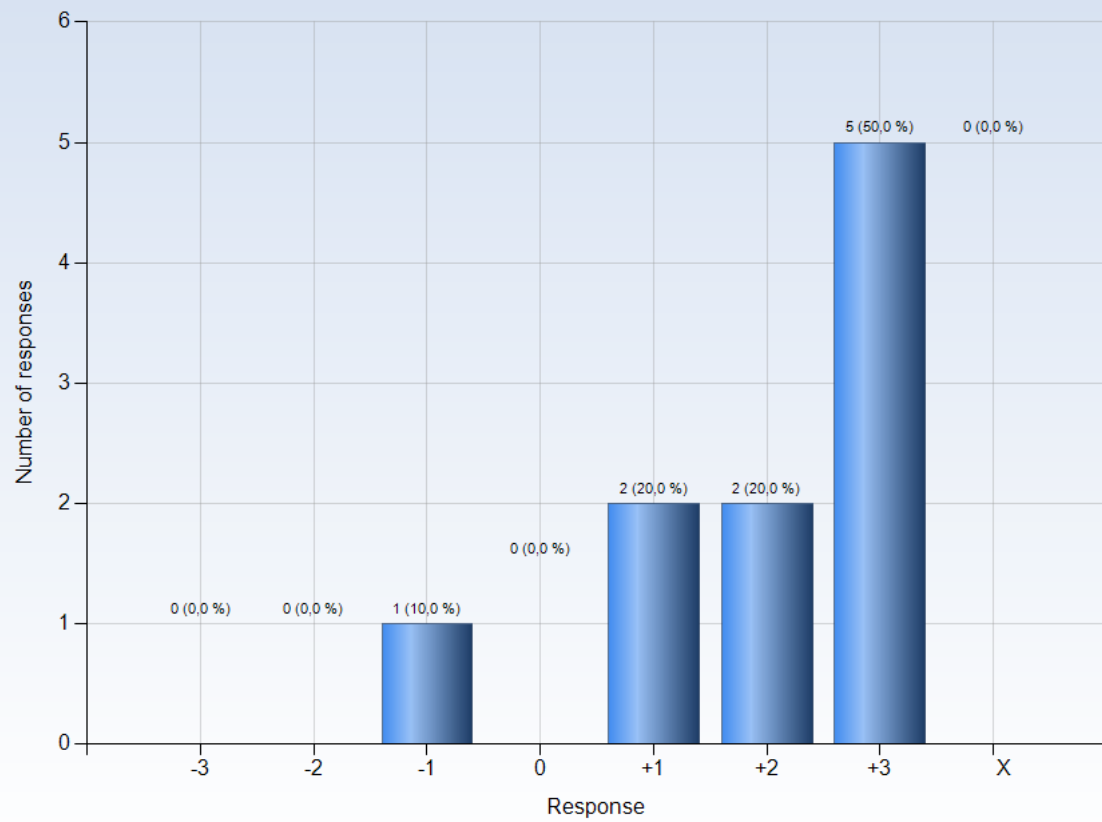


Comments

(My response was: +1)

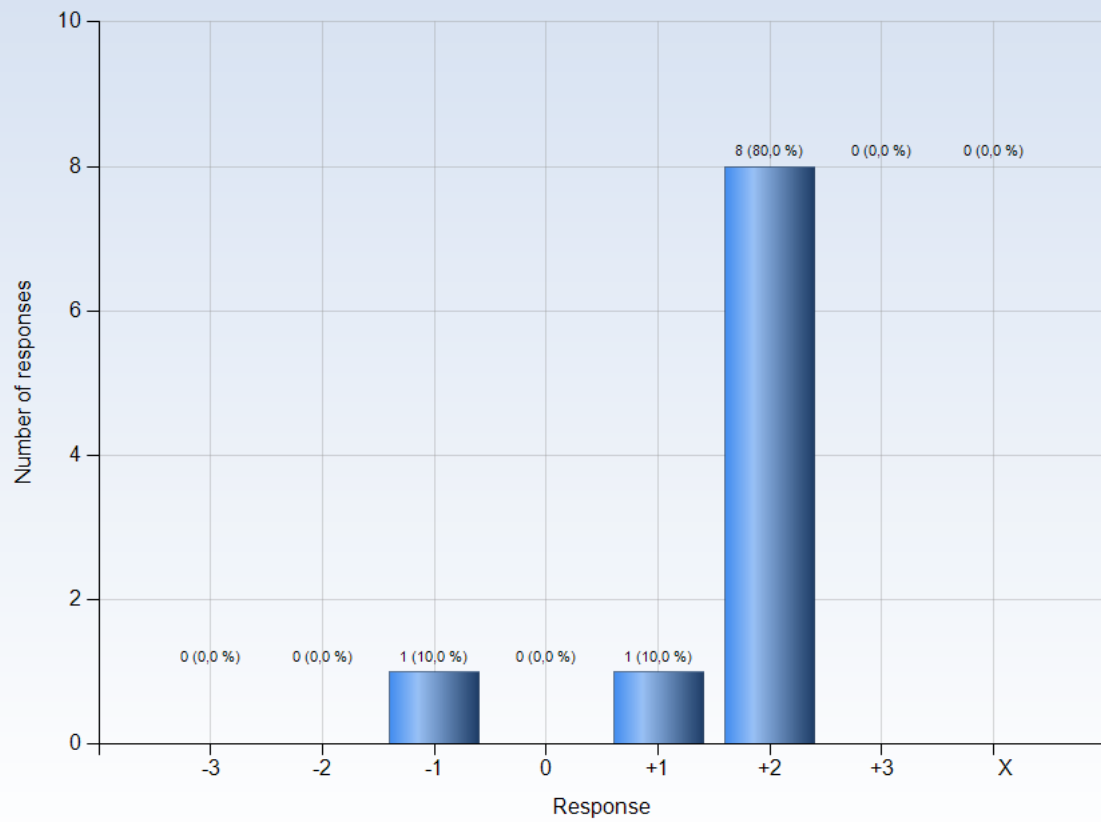
The projects were interesting, but did not allow for new and creative and elaborate solutions, as it was incentivised to simply apply the course algorithms in Matlab.

13. I understood what I was expected to learn in order to obtain a certain grade



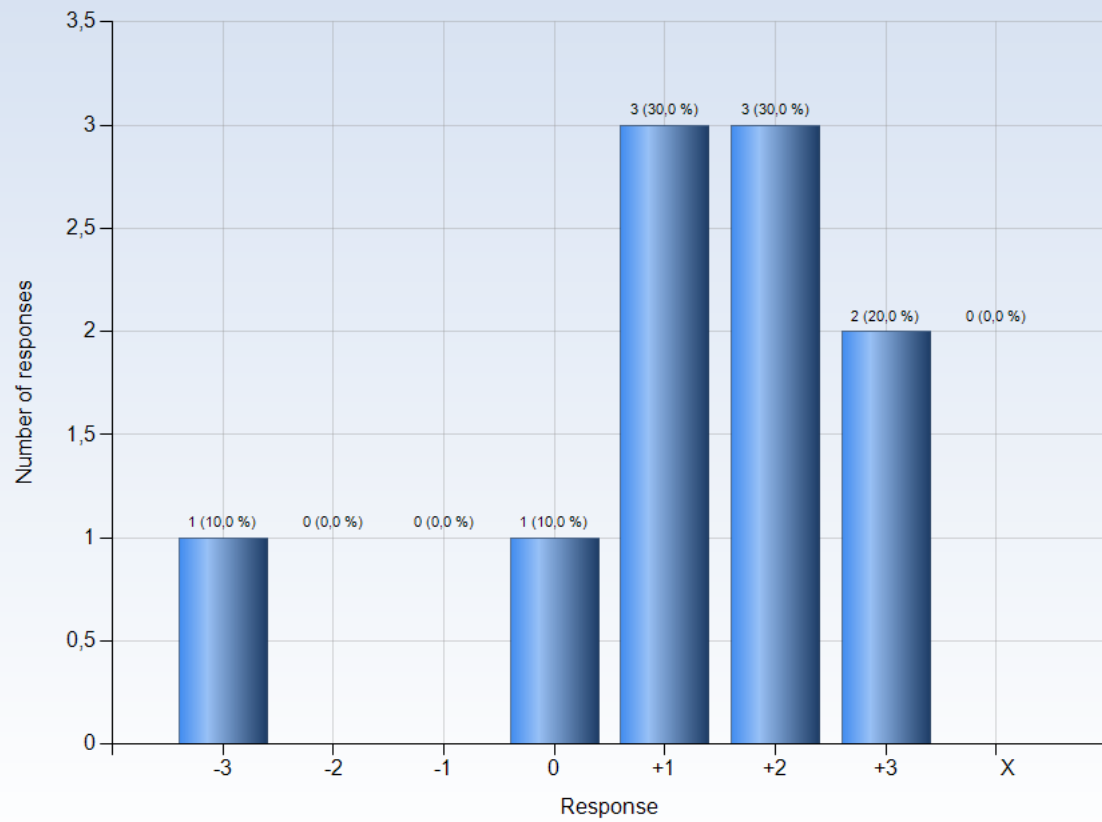
Comments

14. I received regular feedback that helped me to see my progress



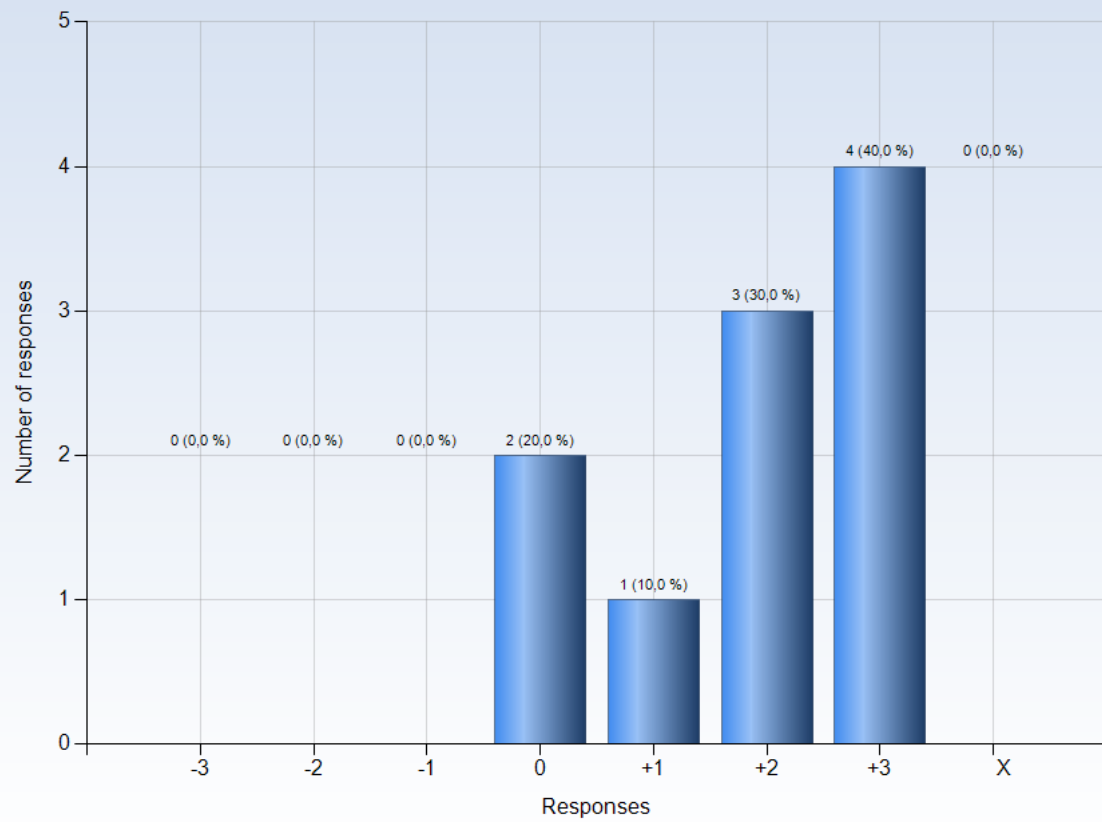
Comments

15. I could practice and receive feedback without being graded



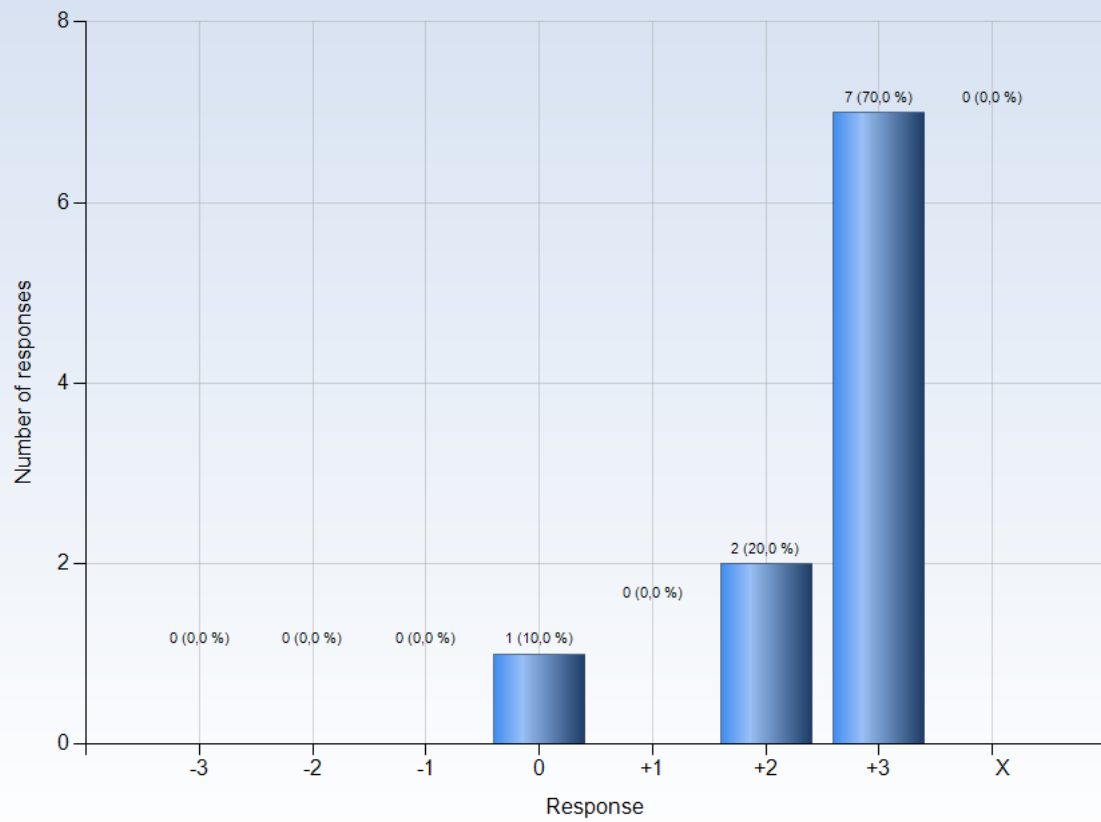
Comments

16. The assessment on the course was fair and honest



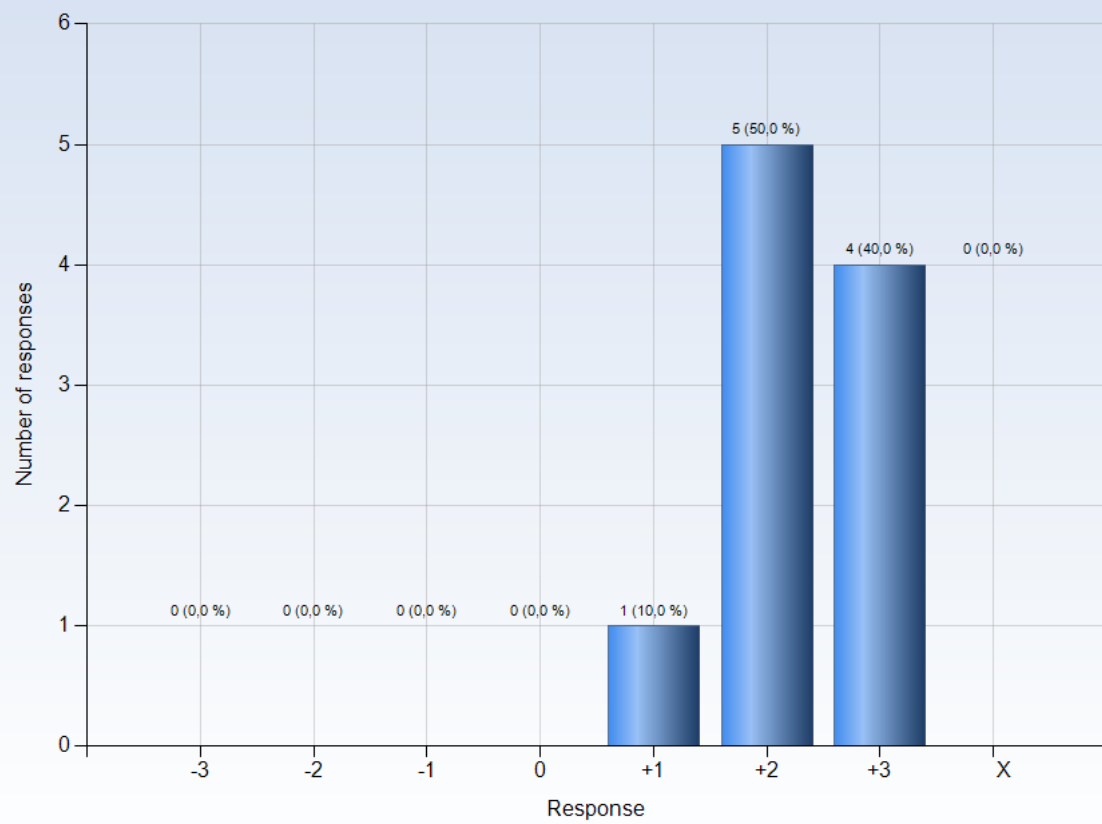
Comments

17. My background knowledge was sufficient to follow the course



Comments

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

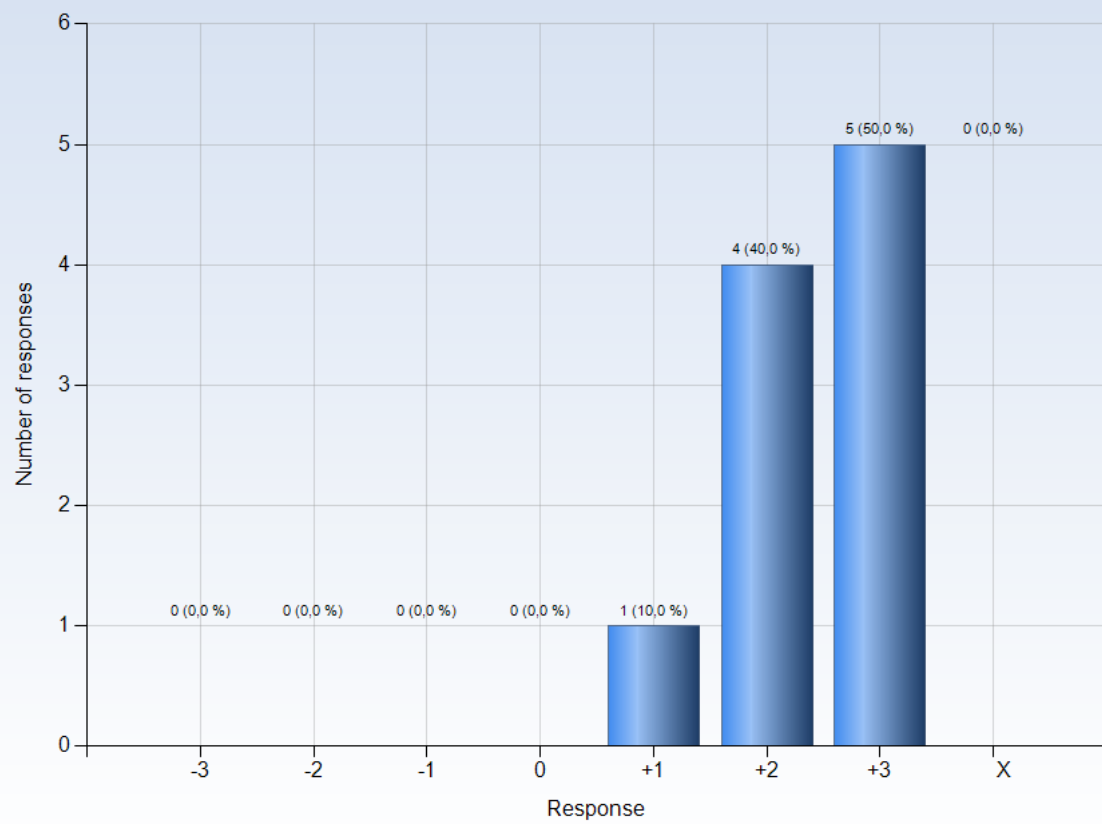


Comments

Comments (My response was: +3)

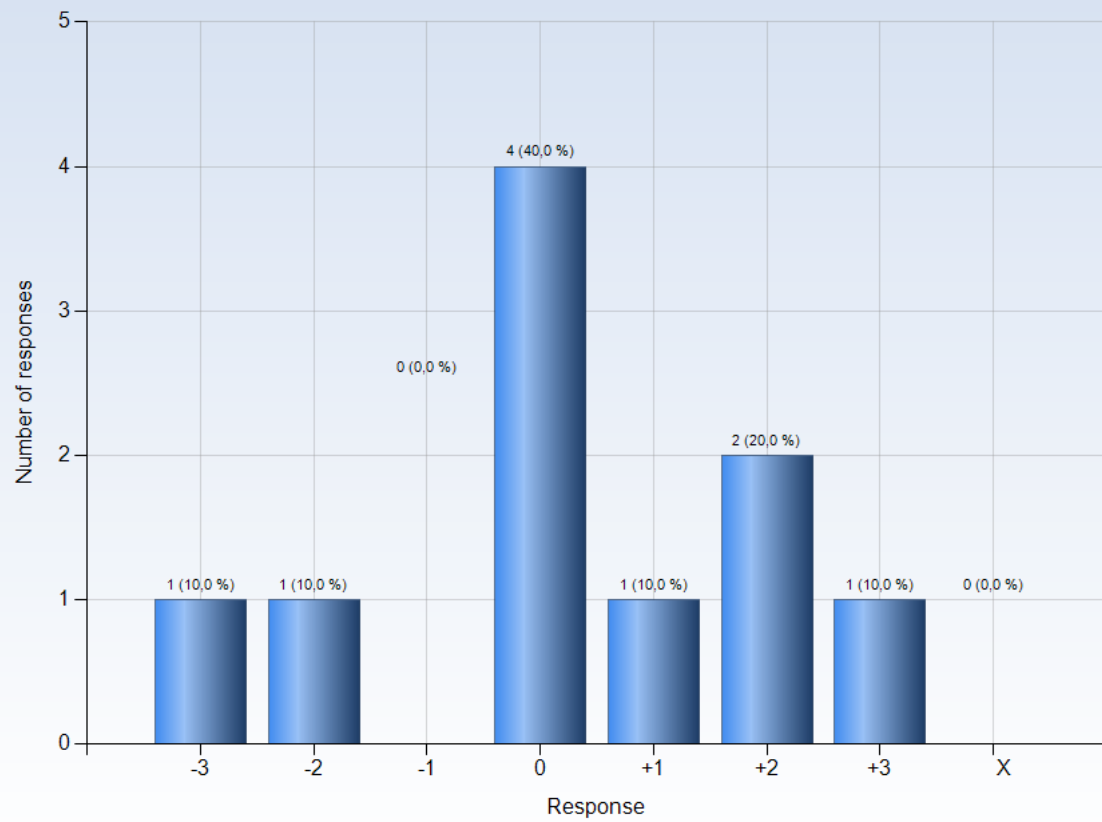
The course book is seriously one of the best ones I've come across here at KTH

19. I was able to learn in a way that suited me



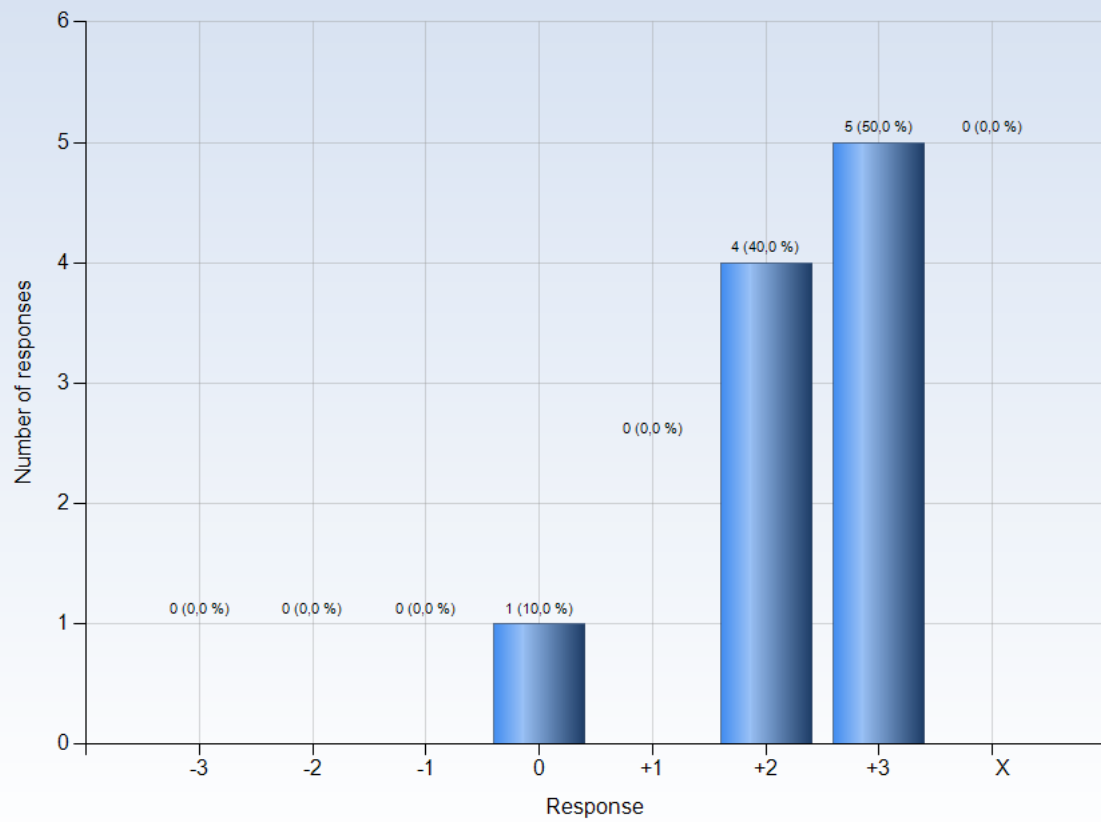
Comments

20. I had opportunities to choose what to do



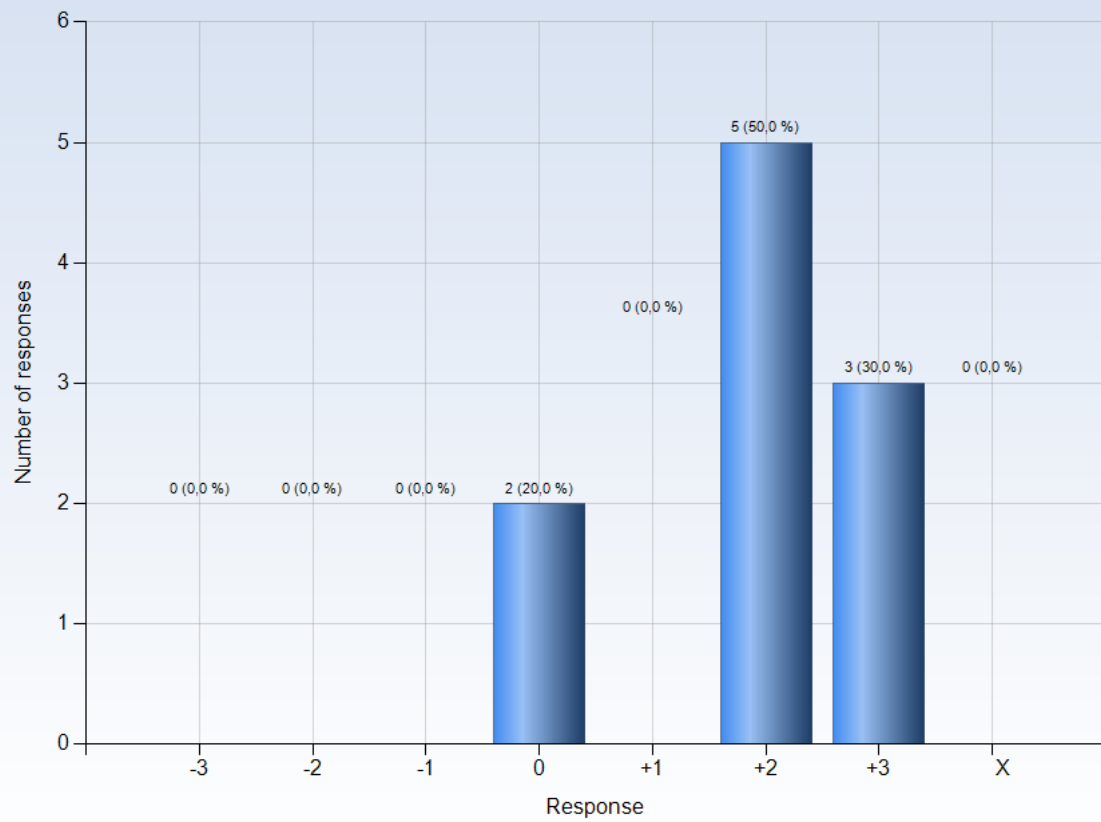
Comments

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