

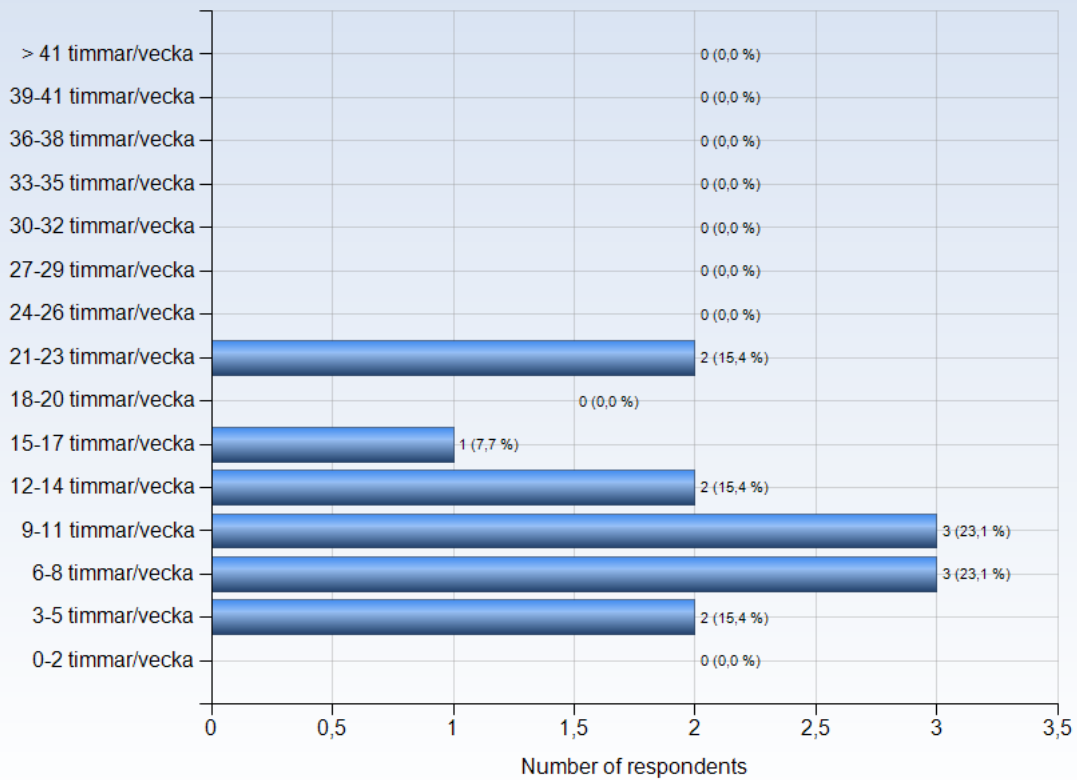


MG2135 - 2018-05-21

Antal respondenter: 43
Antal svar: 14
Svarsfrekvens: 32,56 %

ESTIMATED WORKLOAD

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



Comments

Comments (I worked: 3-5 timmar/vecka)

Course interesting even if aras is not very useful

Comments (I worked: 9-11 timmar/vecka)

The workload increased in the end of the semester!



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:

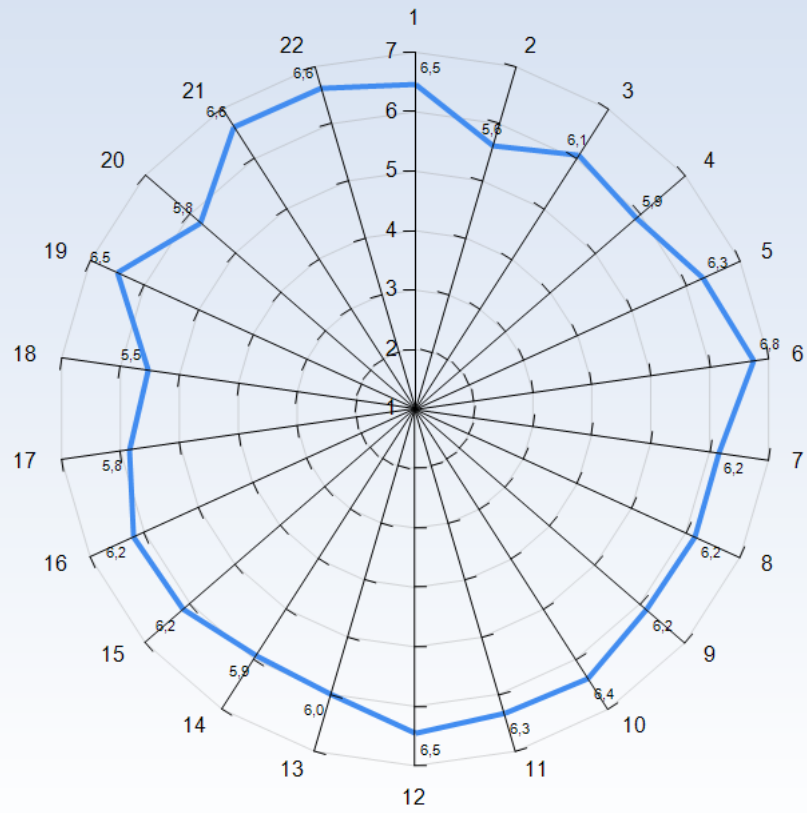
1 = No, I strongly disagree with the statement

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.

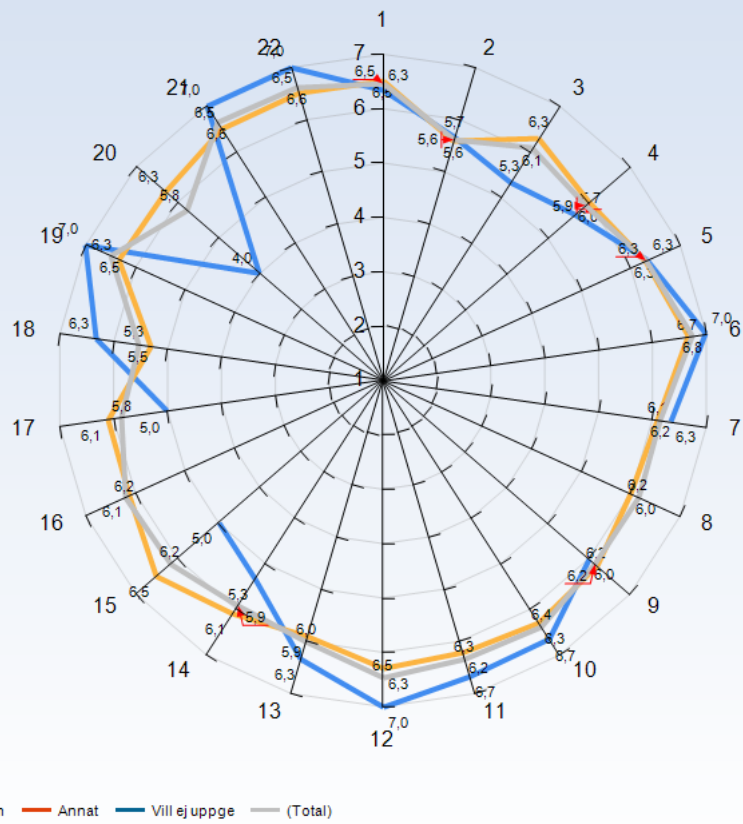
Biggs J. & Tang, C. (2011). *Teaching for Quality Learning at University*, Chapter 6, pp. 95-110. Maidenhead: McGraw Hill.

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.

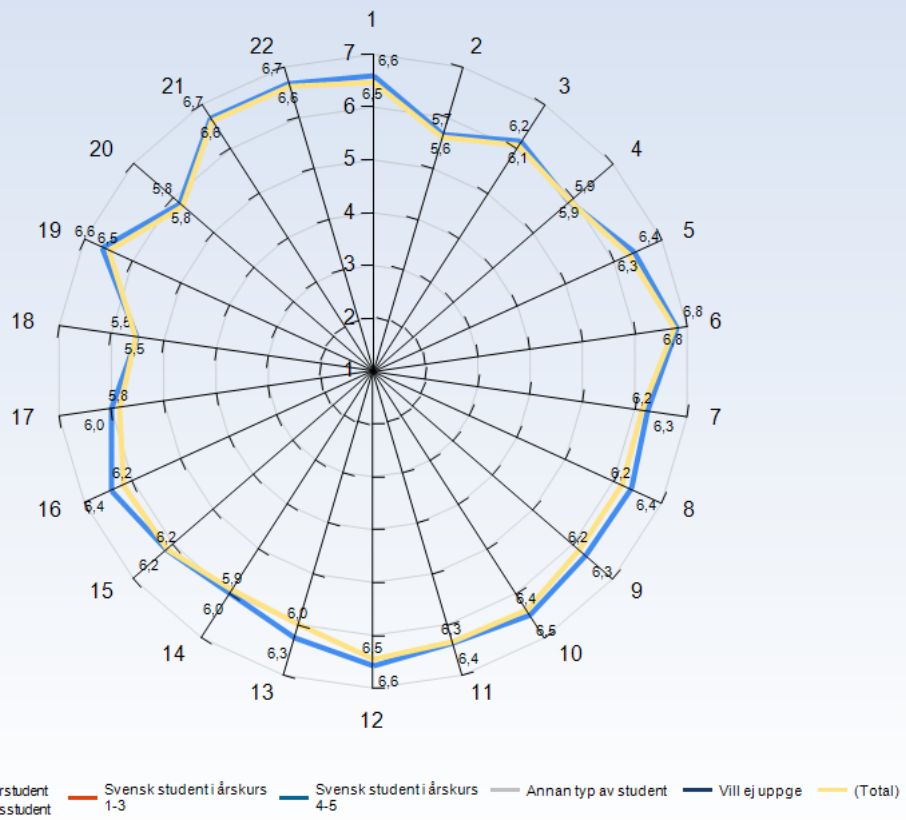
Ramsden, P. (2003). *Learning to Teach in Higher Education*, Chapter 6, pp. 84-105. New York: RoutledgeFalmer.

Average response to LEQ statements - per gender



Comments

Average response to LEQ statements - per type of student



Comments



GENERAL QUESTIONS

What was the best aspect of the course?

What was the best aspect of the course? (I worked: 3-5 timmar/vecka)

The project

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

The project

Variation (labs/ project)

The group project was the most interesting point of the course, we had to organize ourselves in a quite large group of people.

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

The project helps me understand PLM better.

The project

The challenge and experience to work with 10 people in one group was a good experience that cannot be taught in theory in a classroom

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

The new integration of a programme

The project work!

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

The project and the guest lecture. The project was clearly designed for us to fully understand and implement the need for PLM systems and their implementation.

What was the best aspect of the course? (I worked: 21-23 timmar/vecka)

Trying to balance a 10 people team and have a sufficient result in PLM

The final project with a group of 10 people. Every bit of the project was challenging in an interesting way.

What would you suggest to improve?

What would you suggest to improve? (I worked: 3-5 timmar/vecka)

The first lectures wasn't interesting at all

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

More intensive lab about ARAS

Show more "real" examples of what a plm system would look like in companies

The lab should be more challenging, and not just following the instructions of the paper.

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

The Labs should include more contents. Maybe more volunteer work.

Increase time of Lab sessions

I would have liked to do more assignments in SQL and connect the final project to SQL aswell

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

Maybe have more guest lectures

-

What would you suggest to improve? (I worked: 21-23 timmar/vecka)

Maybe the lectures ...



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)

Before taking the course, one you have primary knowledge of ARAS. It will be really helpful
Start with project at an early stage. Prepare the presentation really well

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

Don't be frightened by the huge project!

Explore aras during the lab sessions the support is very bad

Its hard to give advice, its up to the individual to get the most out of the experience. But if I would give one advice, then I would say that it is important to have good communication skills

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

Try to understand the ER model lecture with examples. Do very simple, short cases on your own. It will be a good help for the project.

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

Work in the labs frequently, try out different things on Aras and it will help in the project.

What advice would you like to give to future participants? (I worked: 21-23 timmar/vecka)

Go for it you'll learn a lot

Is there anything else you would like to add?

Is there anything else you would like to add? (I worked: 3-5 timmar/vecka)

Aras is not convenient and act weird

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

Certain checkpoints/ milestones in project. Hard to know how it is going

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

Thanks a lot! Per! It's a really fruitful course.

Per is a very supportive teacher and always has an open ear for students

SPECIFIC QUESTIONS



RESPONSE DATA

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

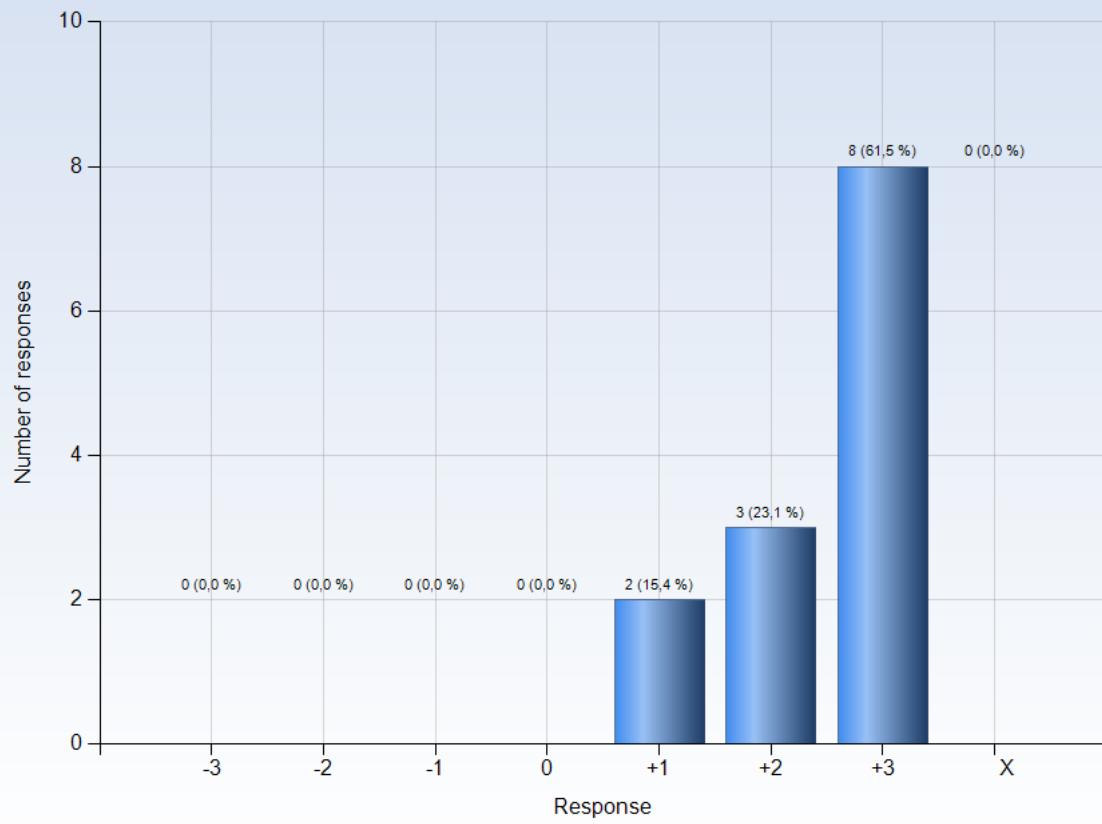
-3 = No, I strongly disagree with the statement

0 = I am neutral to the statement

+3 = Yes, I strongly agree with the statement

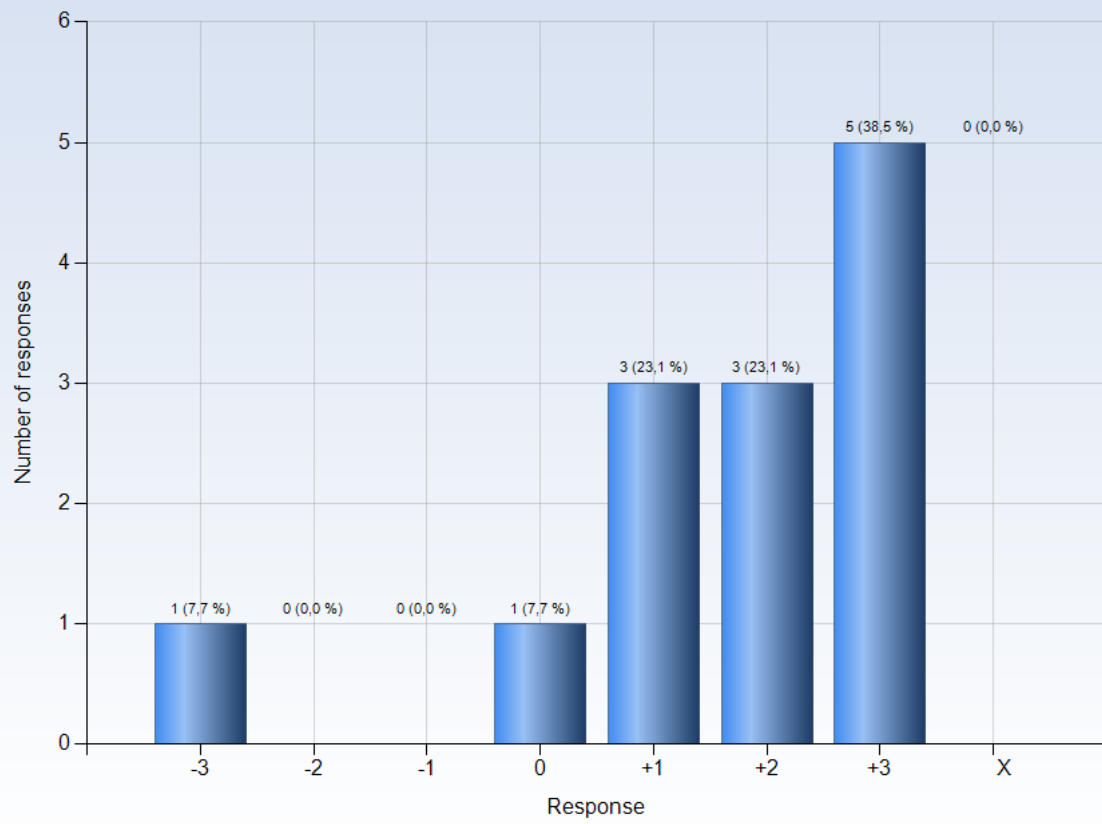
X = I decline to take a position on the statement

1. I worked with interesting issues



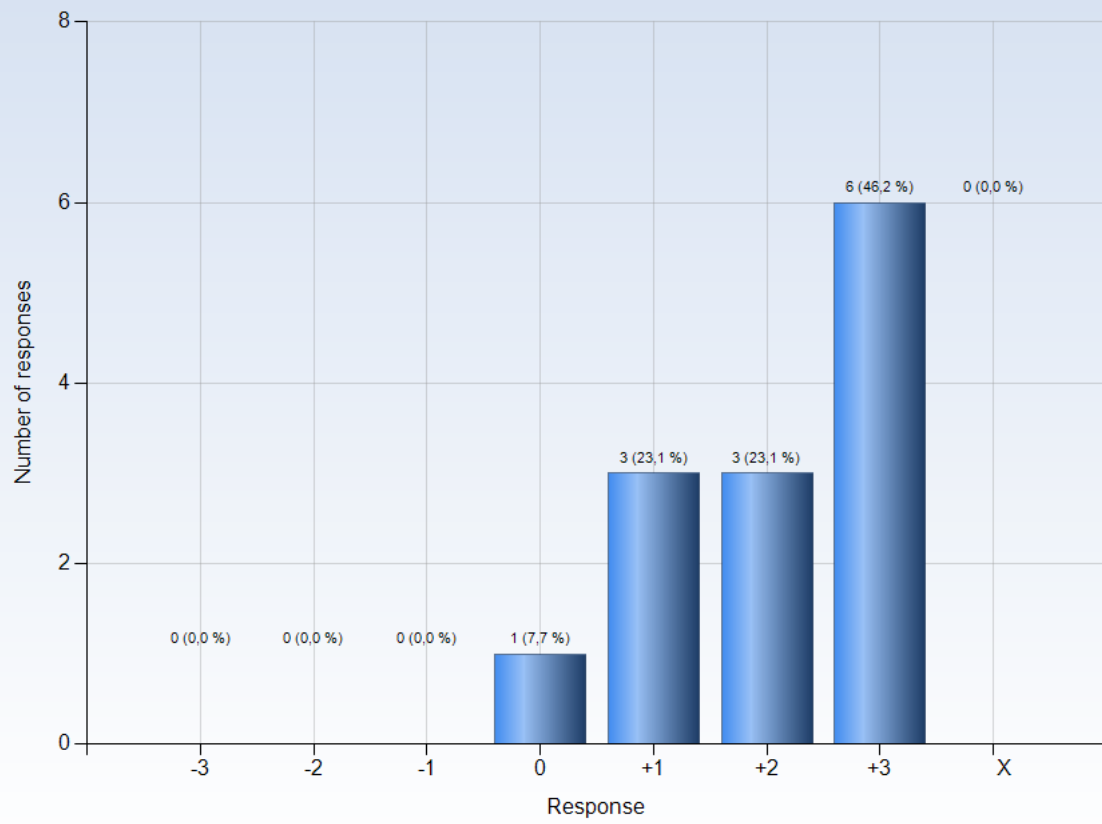
Comments

2. I explored parts of the subject on my own



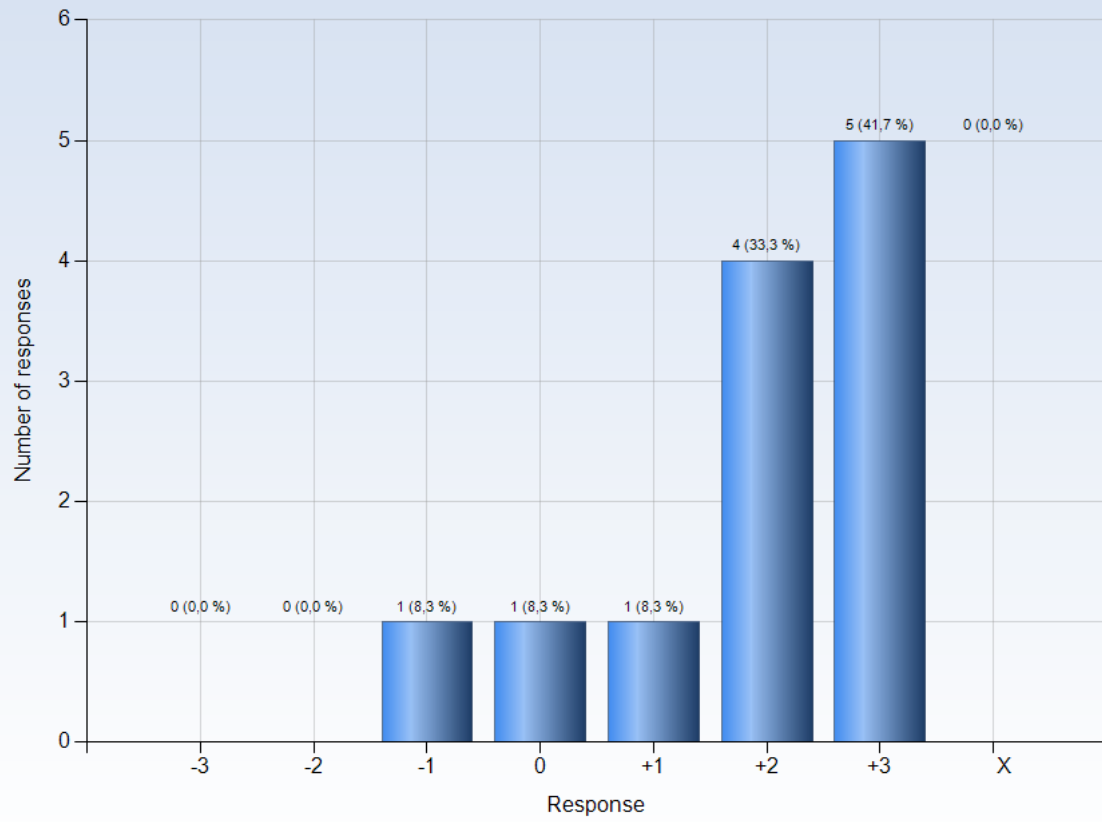
Comments

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



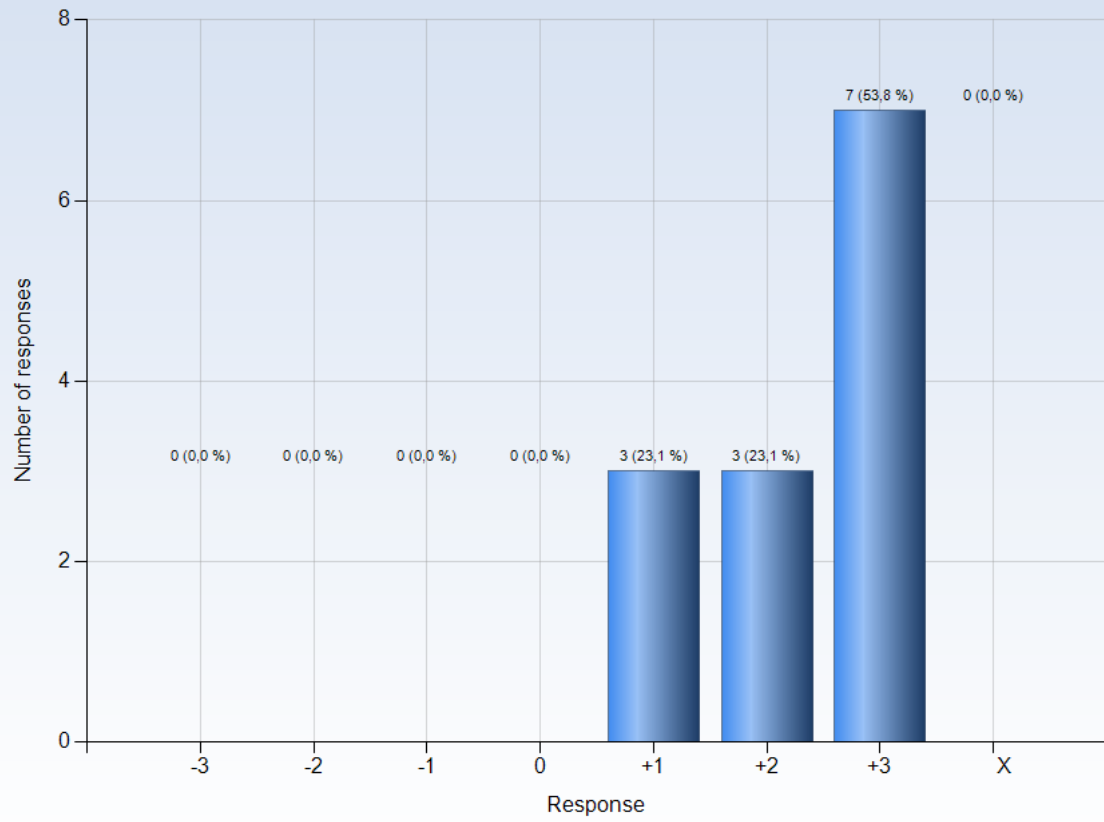
Comments

4. The course was challenging in a stimulating way



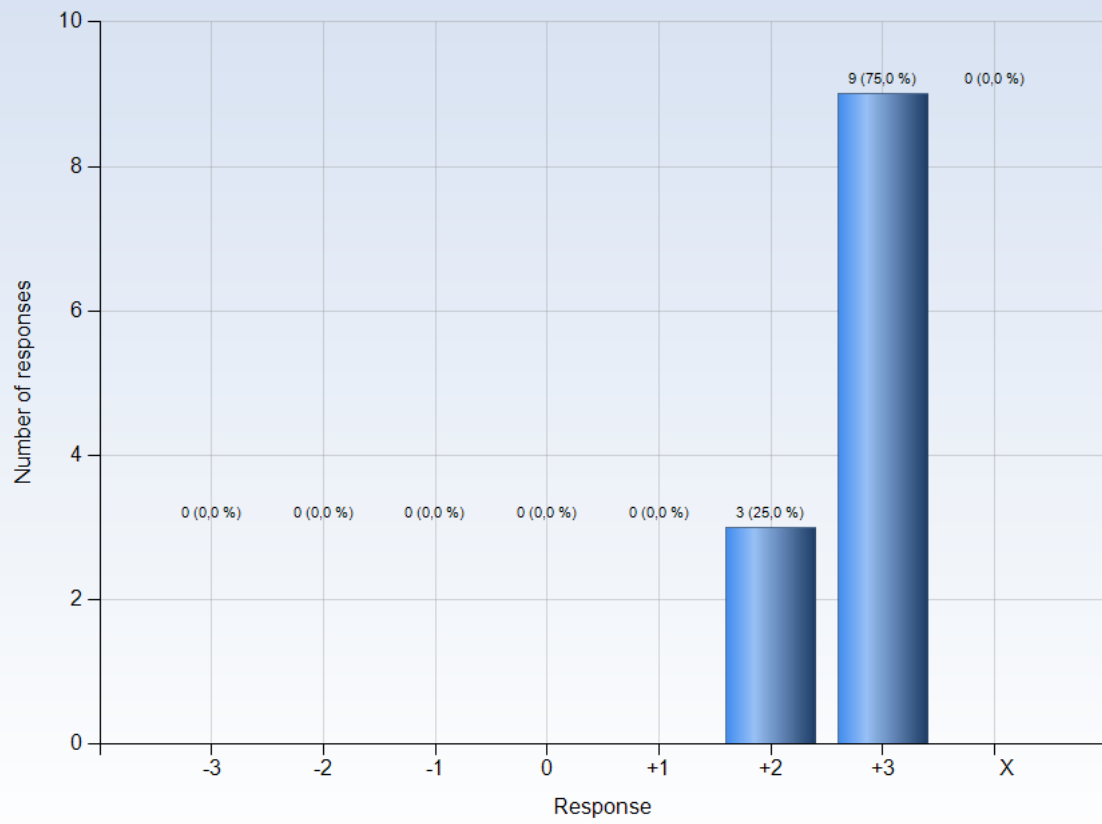
Comments

5. I felt togetherness with others on the course



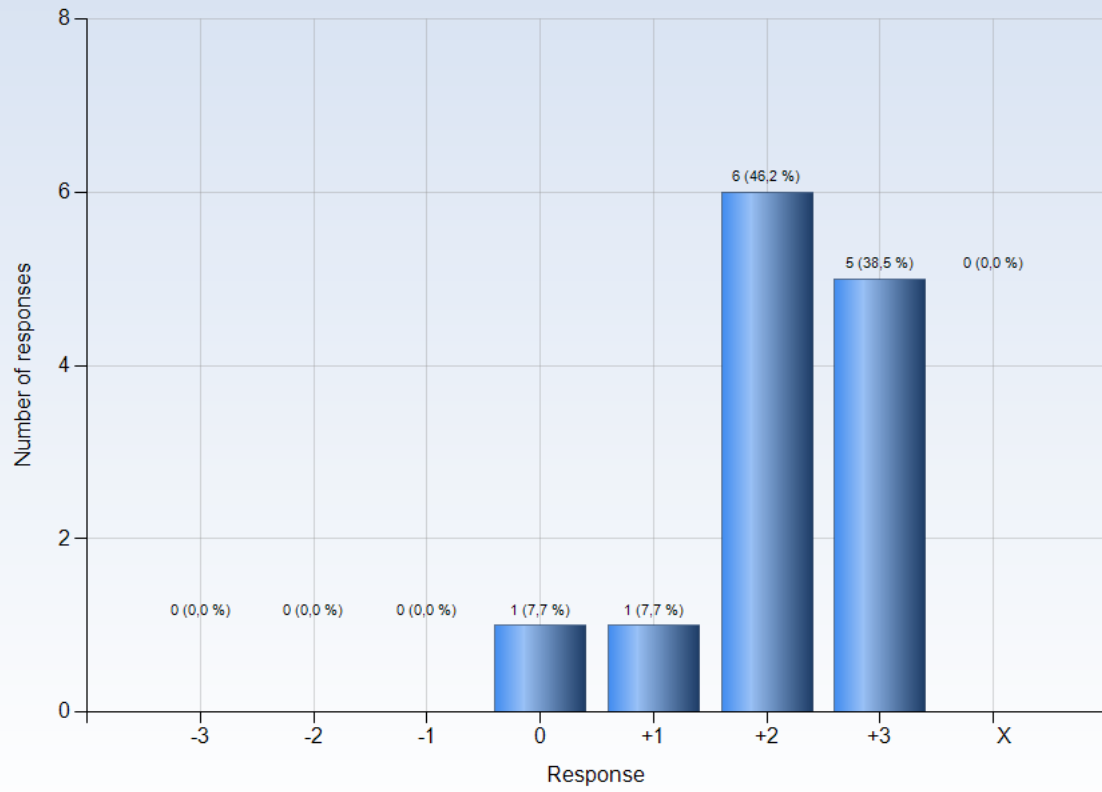
Comments

6. The atmosphere on the course was open and inclusive



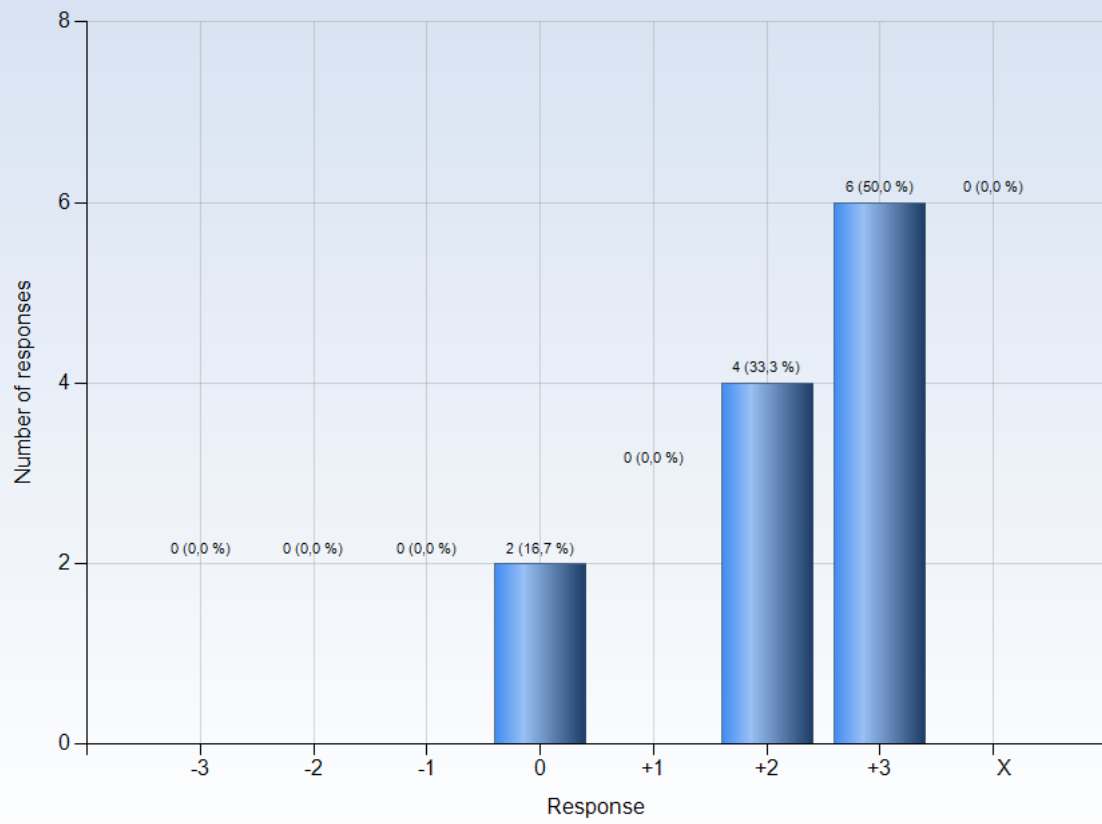
Comments

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



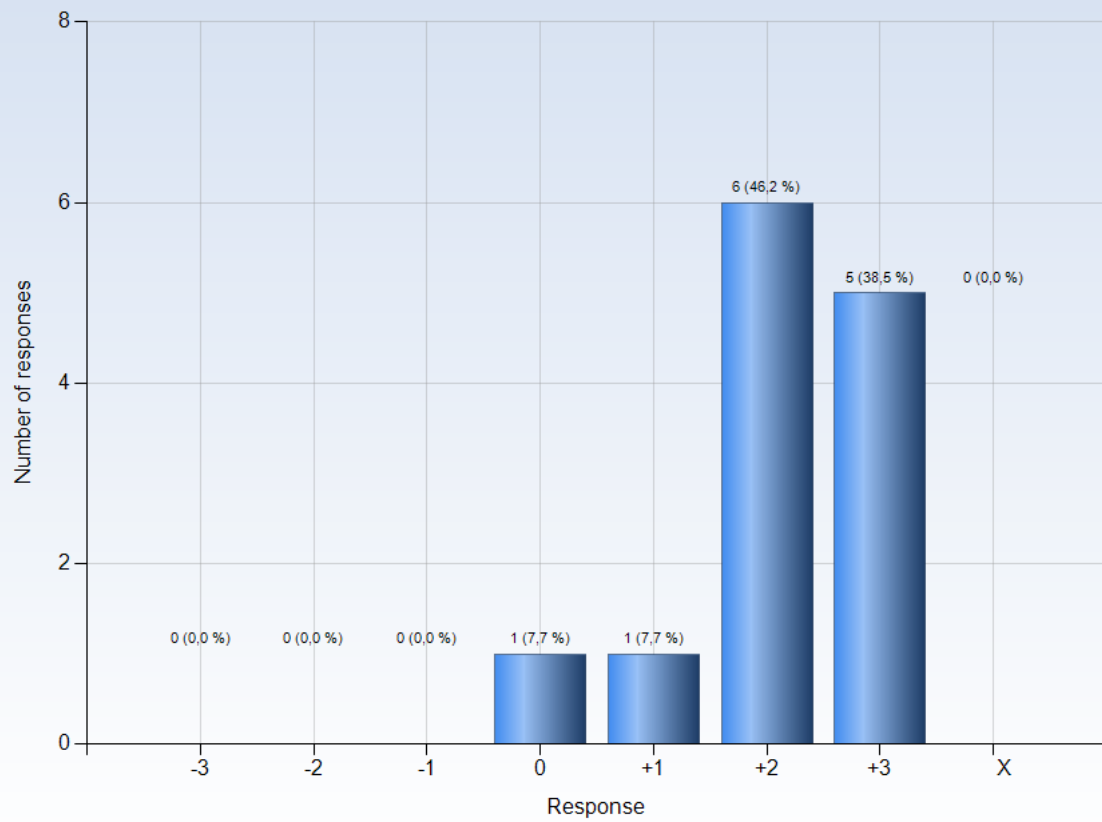
Comments

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

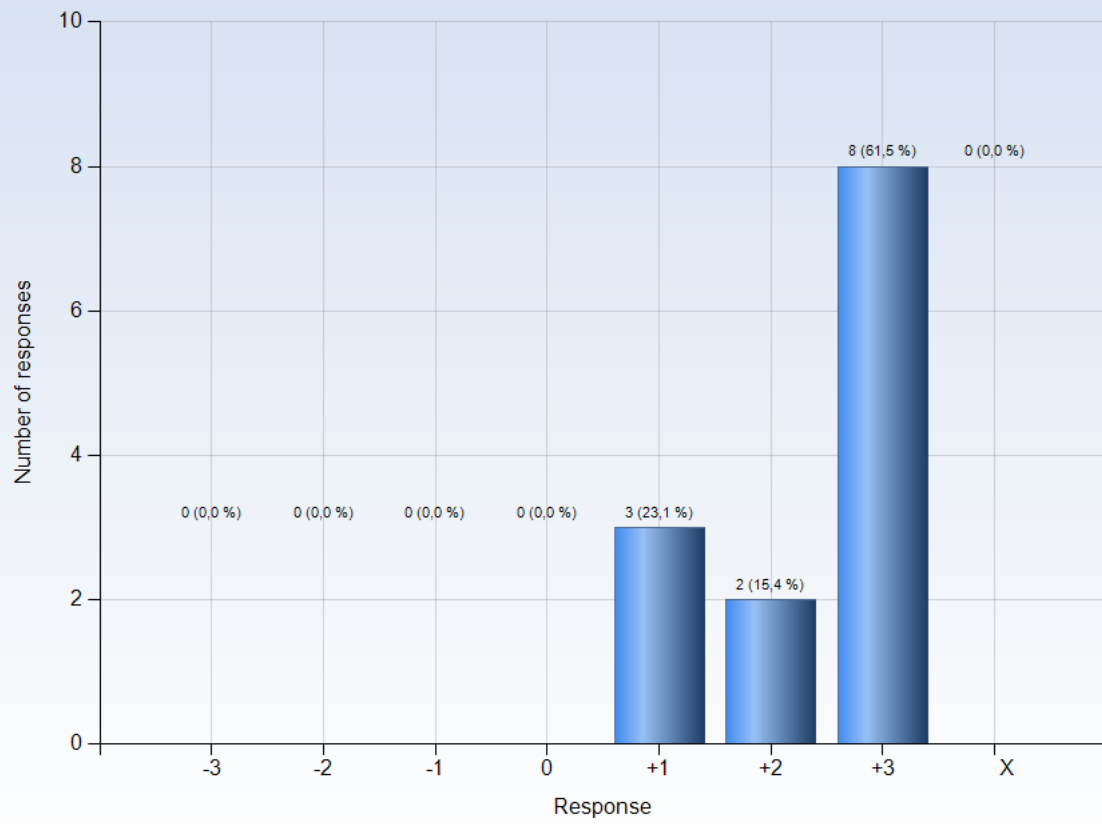


Comments

Comments (My response was: 0)

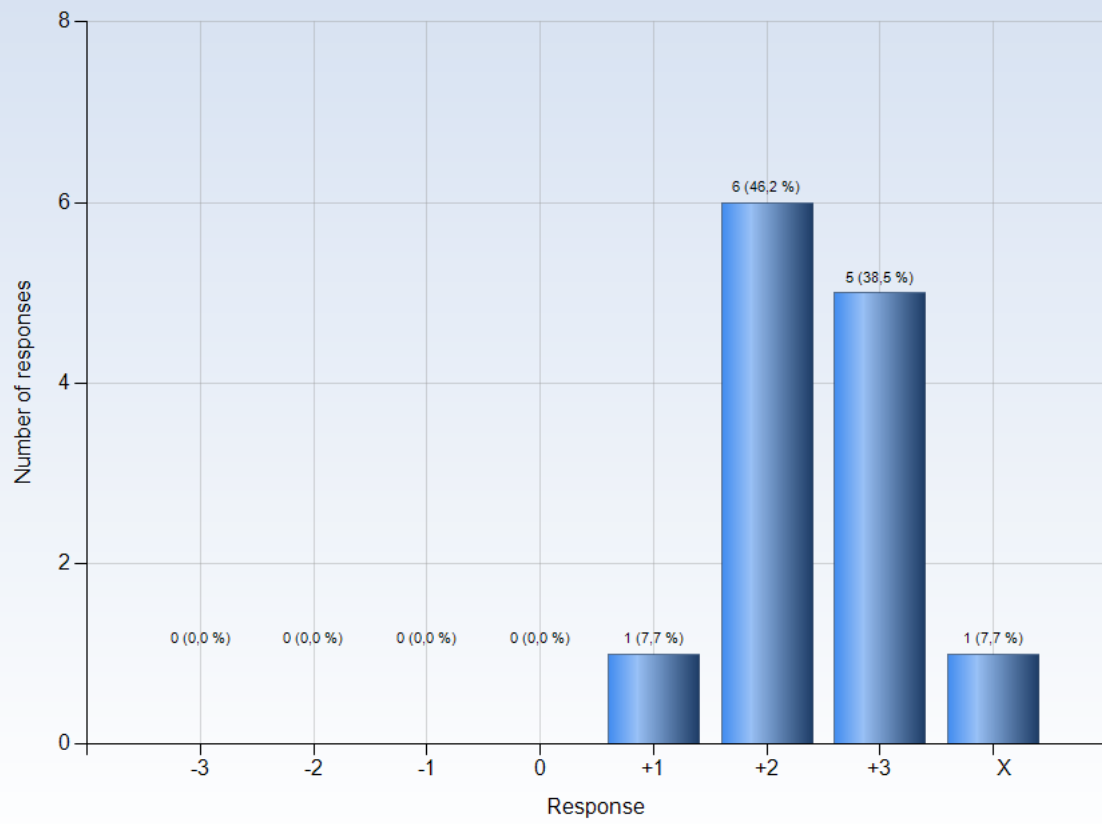
Sometimes to abstract during lectures and lab since a lot of us miss earlier experience from programming

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



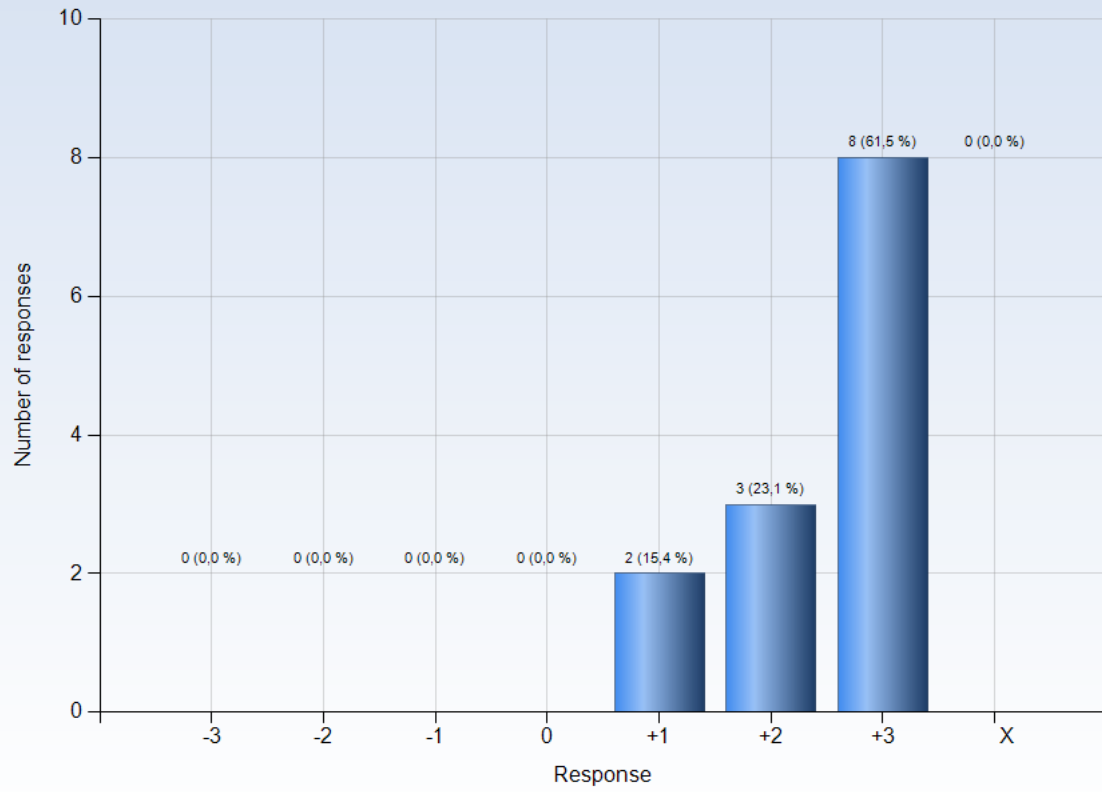
Comments

11. Understanding of key concepts had high priority



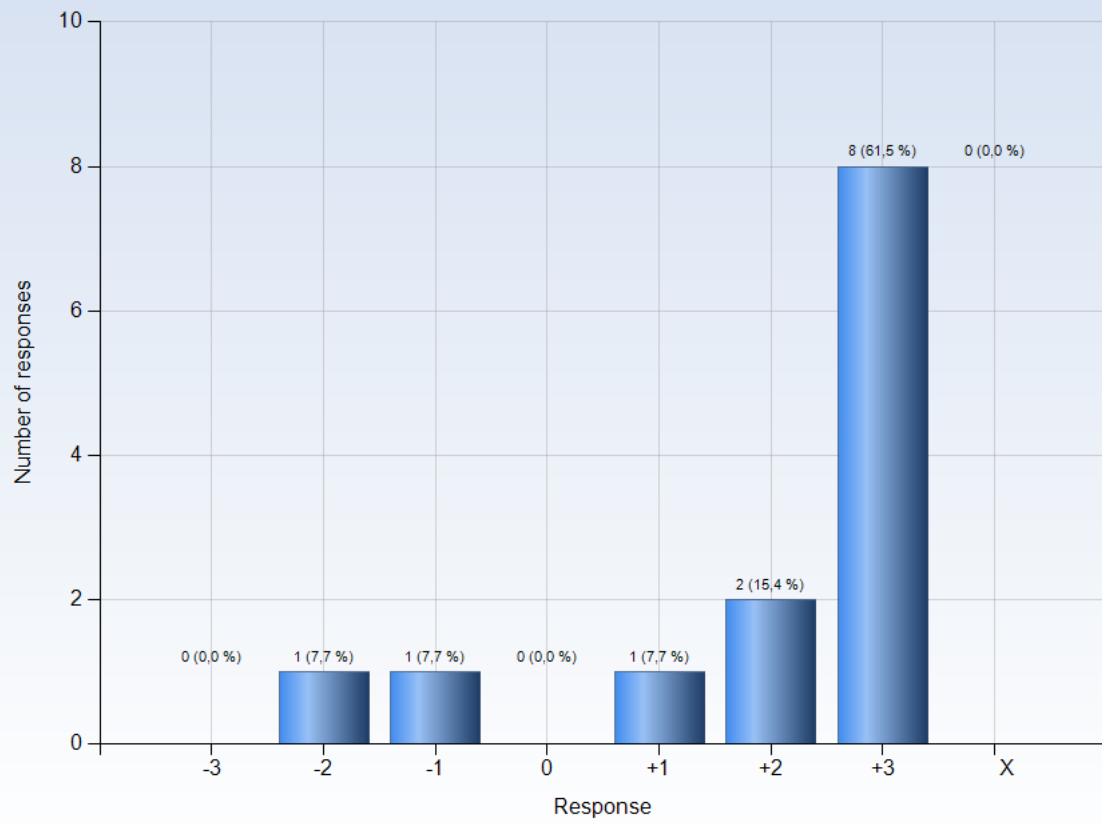
Comments

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



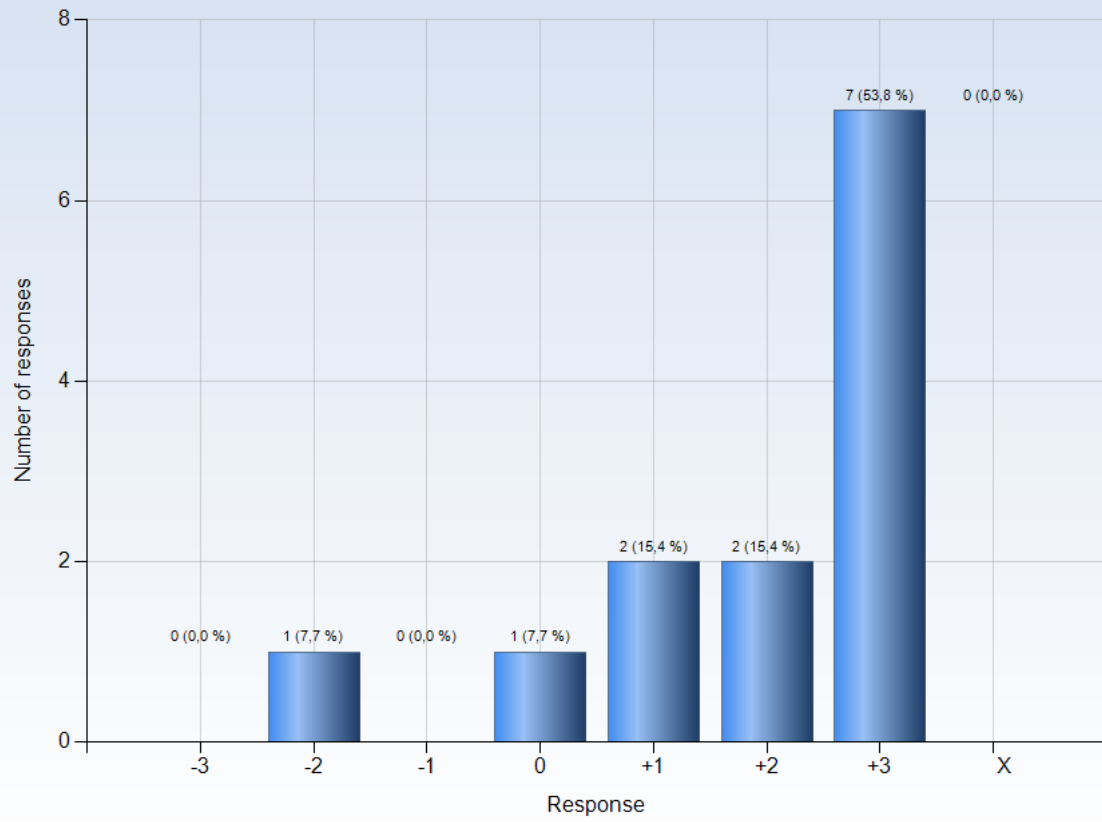
Comments

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



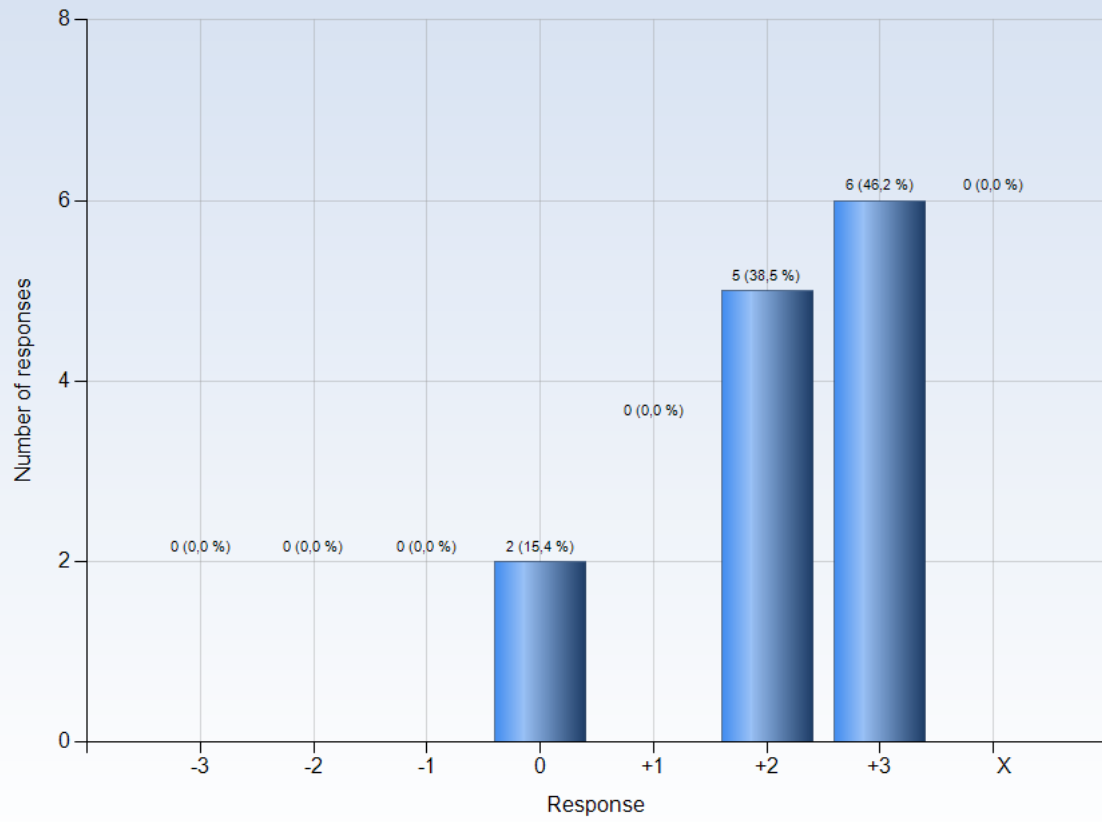
Comments

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



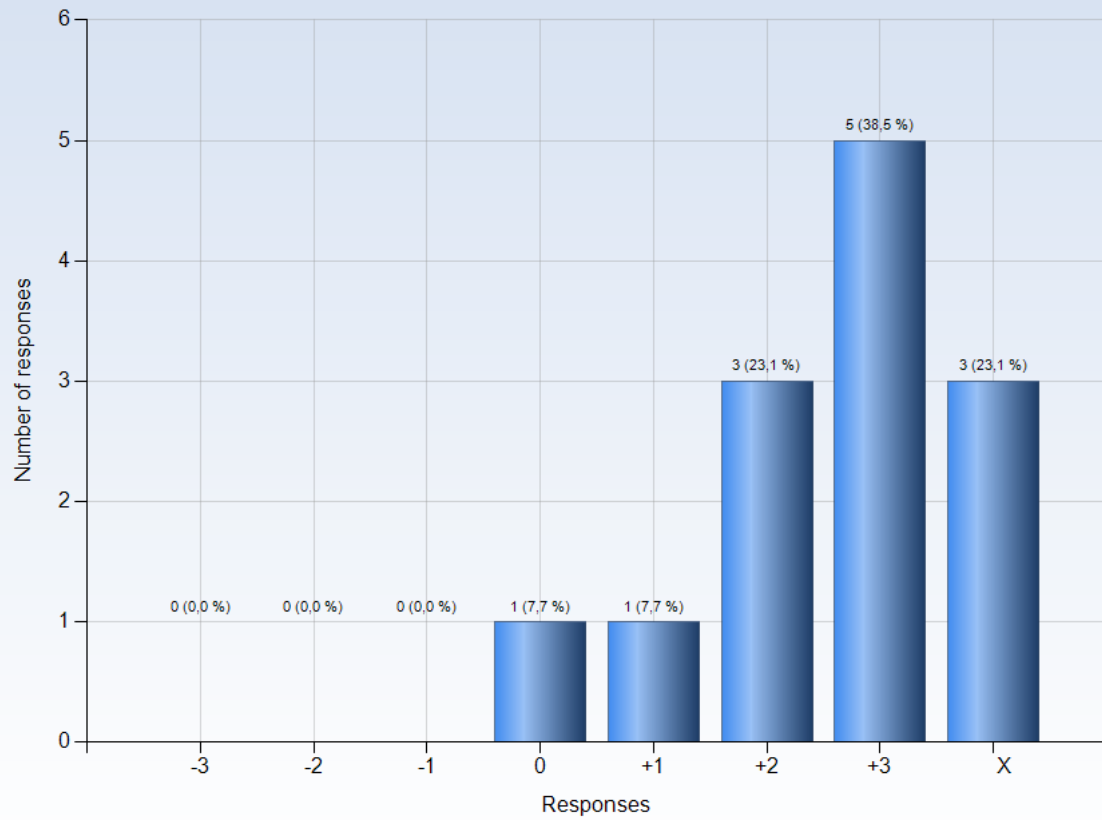
Comments

15. I could practice and receive feedback without being graded



Comments

16. The assessment on the course was fair and honest

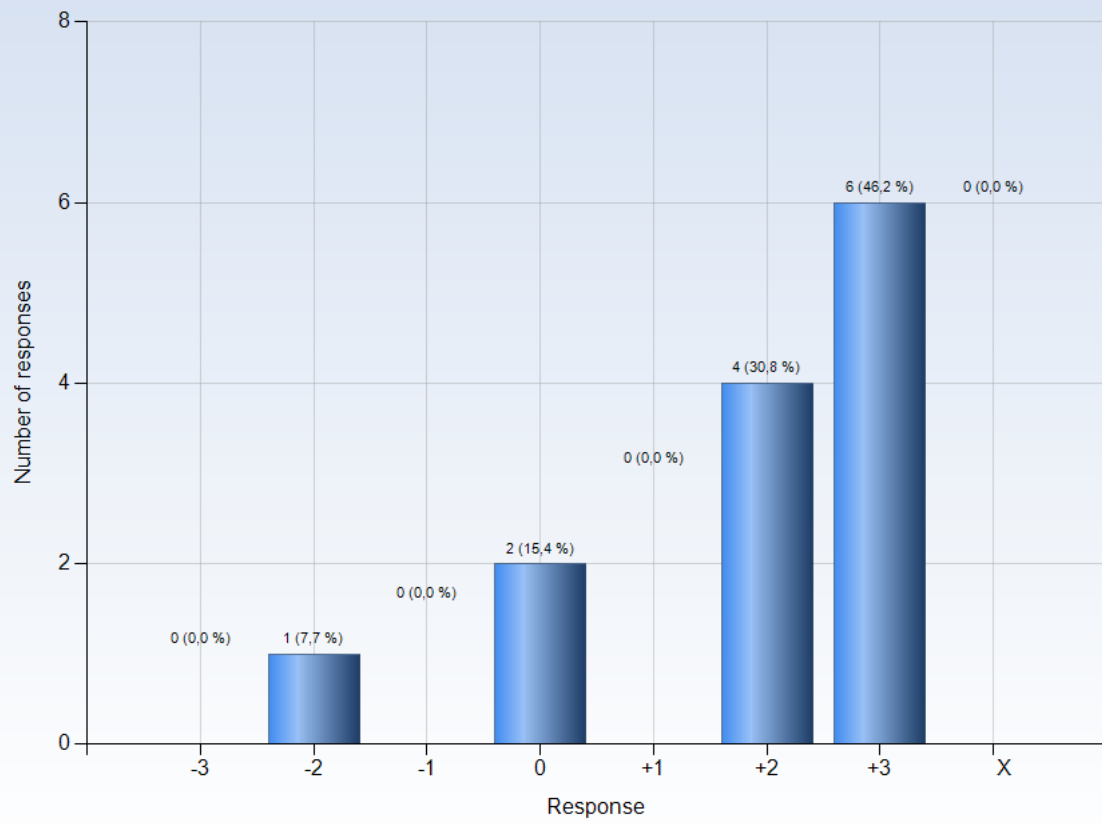


Comments

Comments (My response was: X)

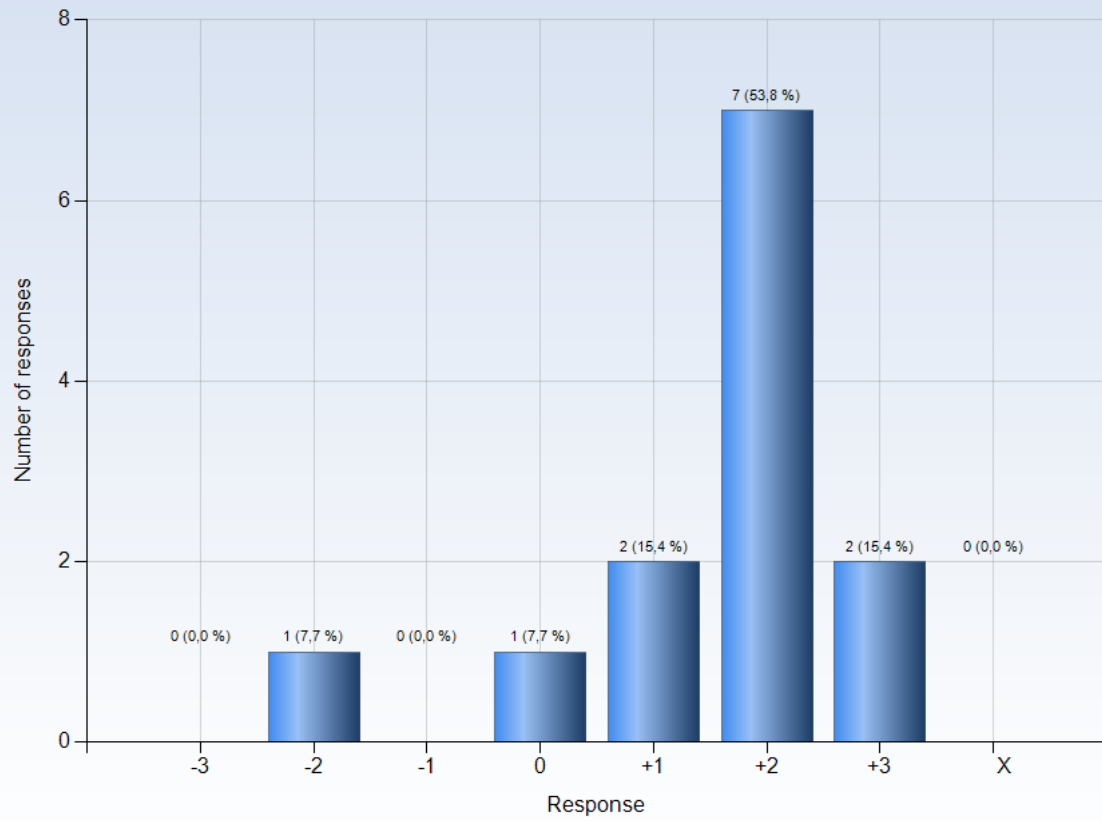
yet to get the grades for the course. So can't really give an opinion now

17. My background knowledge was sufficient to follow the course



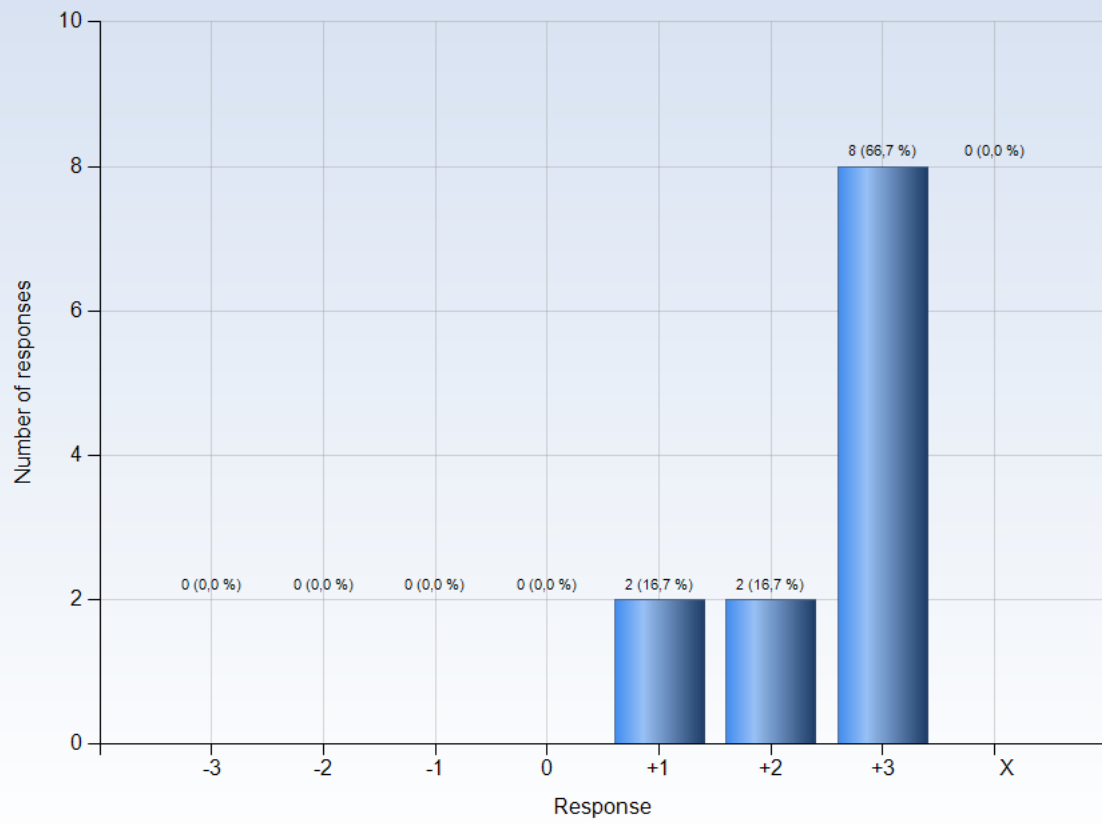
Comments

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



Comments

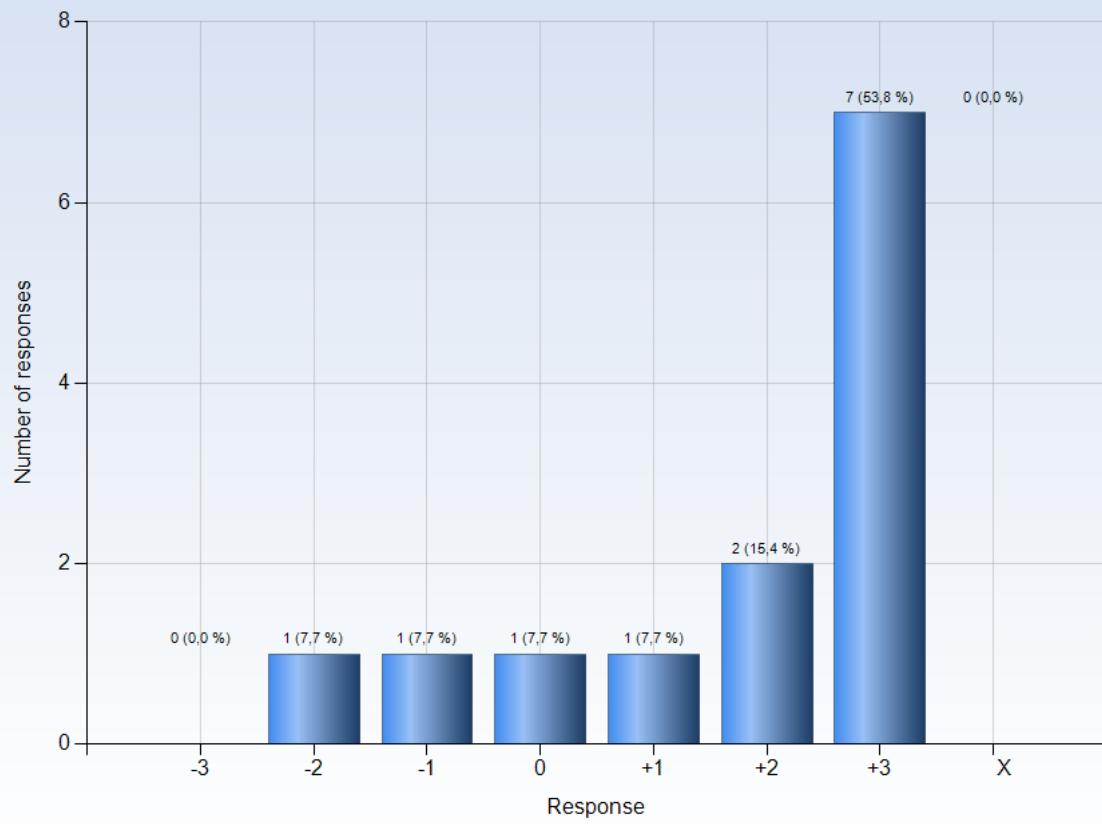
19. I was able to learn in a way that suited me



Comments

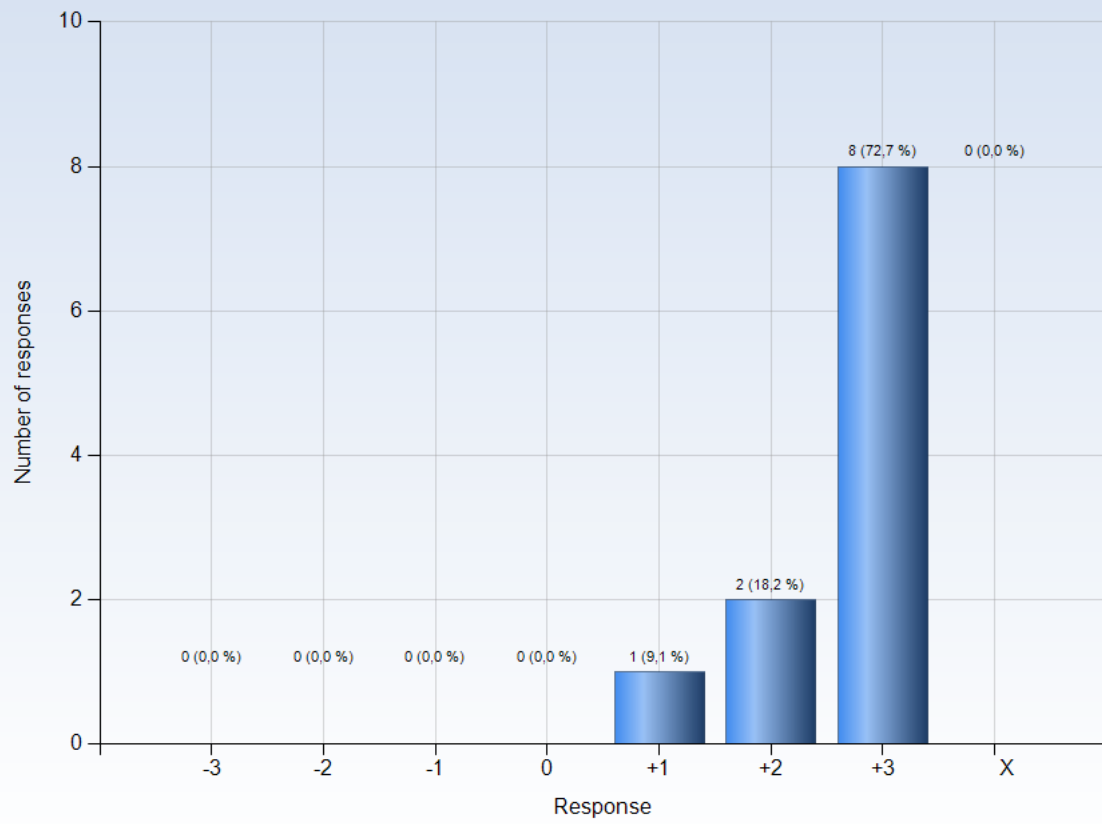
Comments (My response was: +3)
Lectures + Project + Lab Perfect fit

20. I had opportunities to choose what to do



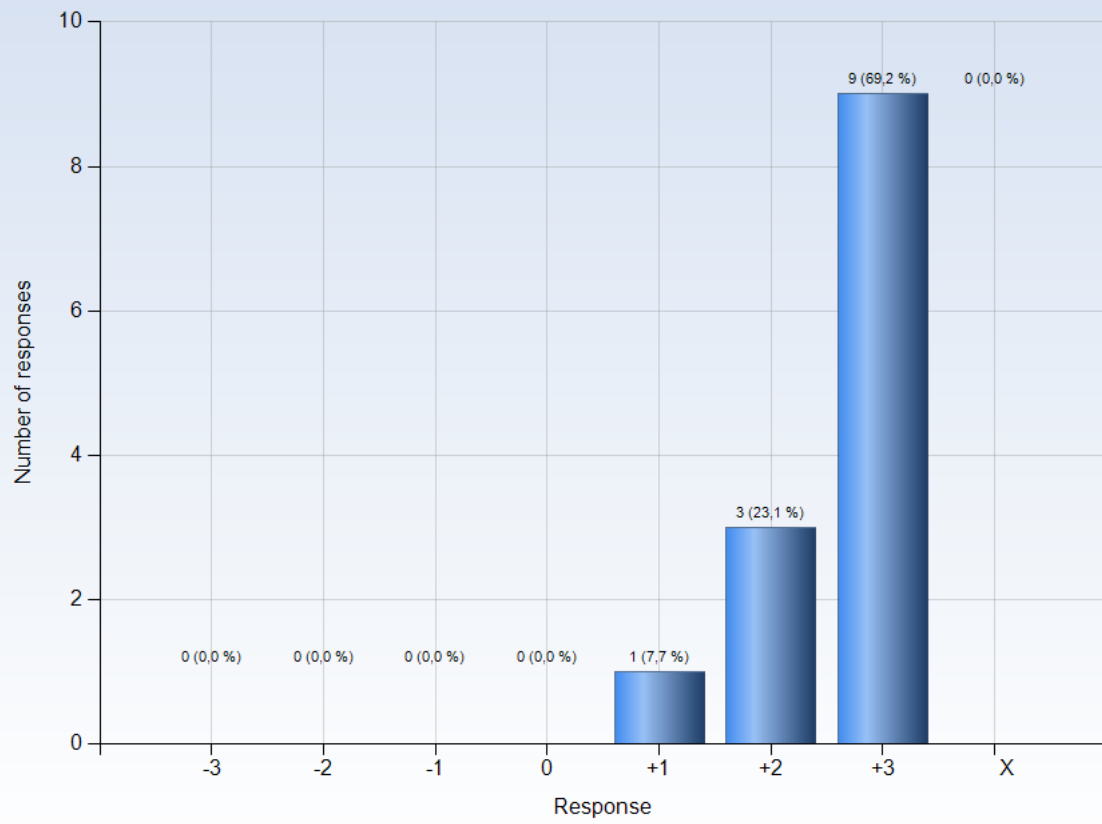
Comments

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