

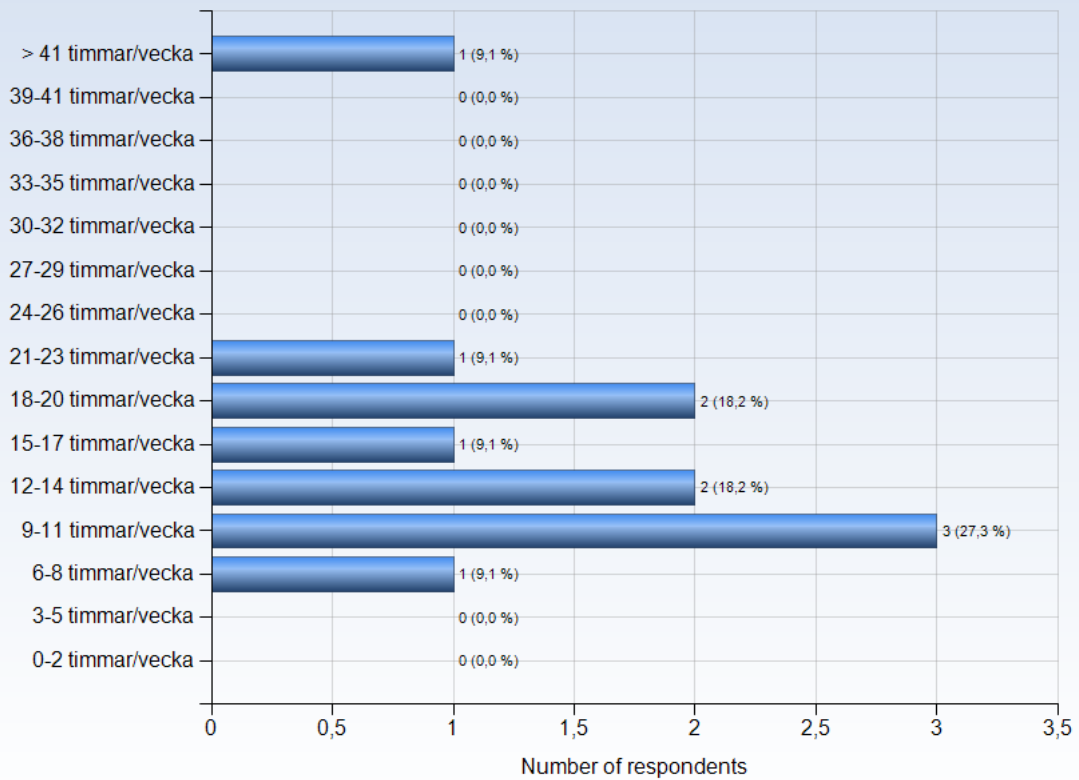


ID2206 - 2017-02-14

Antal respondenter: 65
Antal svar: 11
Svarsfrekvens: 16,92 %

ESTIMATED WORKLOAD

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



Comments

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

I did read the book twice and I also did the exercises so it took some time each week.

Comments (I worked: 21-23 timmar/vecka)

It is hard to remember since it have been quite some time since then. Could be more or could be less.

Comments (I worked: > 41 timmar/vecka)

Antagligen mellan 60 och 80 tim/vecka



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:

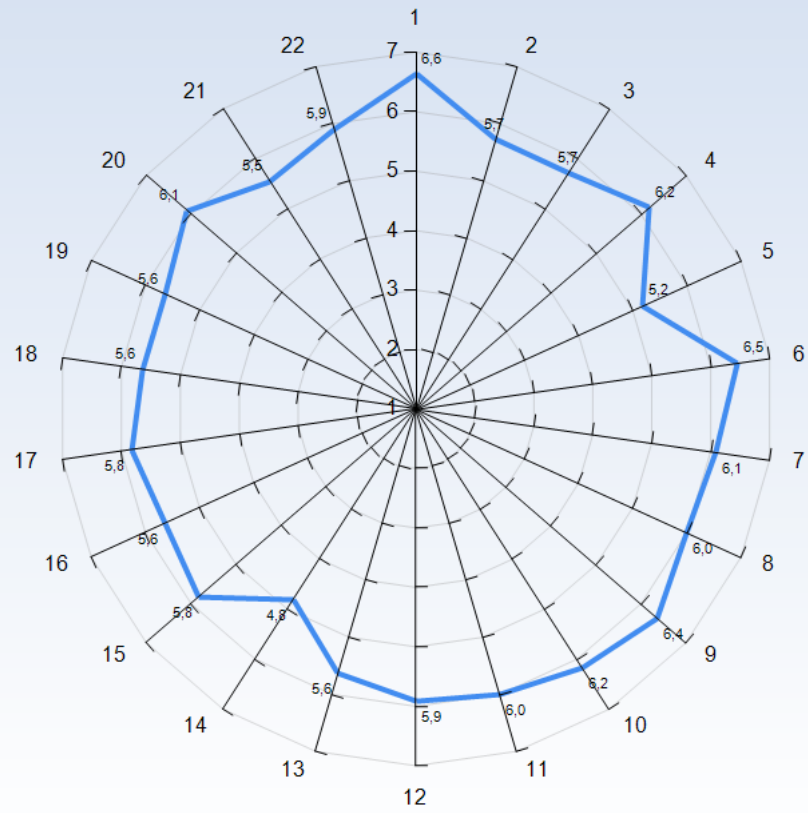
1 = No, I strongly disagree with the statement

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.

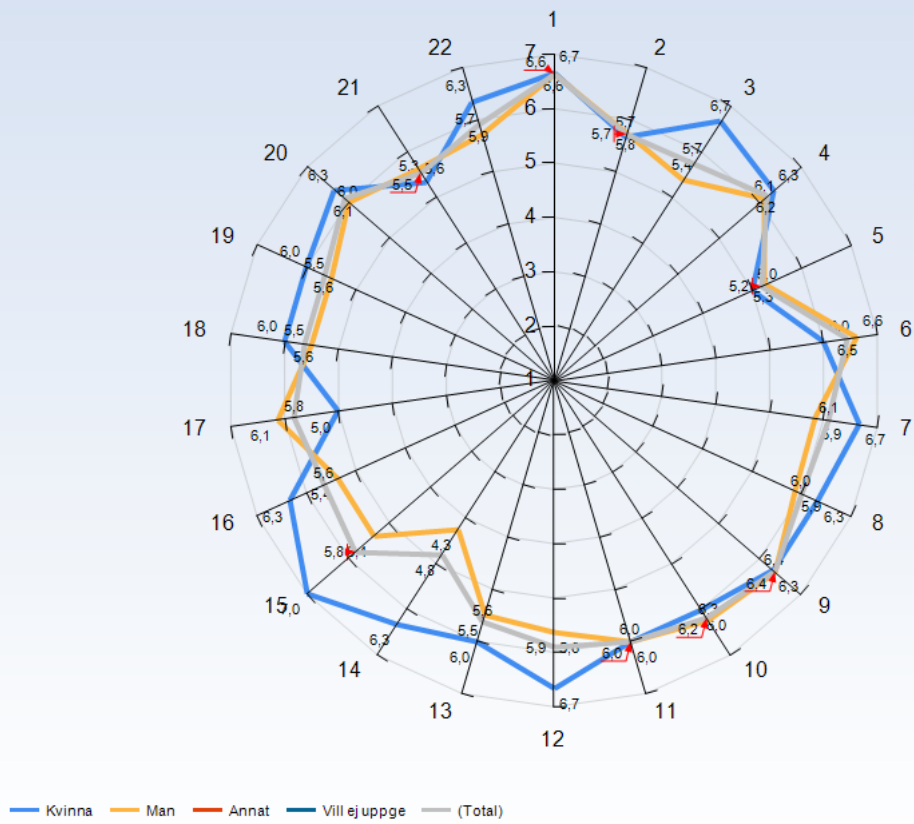
Biggs J. & Tang, C. (2011). *Teaching for Quality Learning at University*, Chapter 6, pp. 95-110. Maidenhead: McGraw Hill.

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.

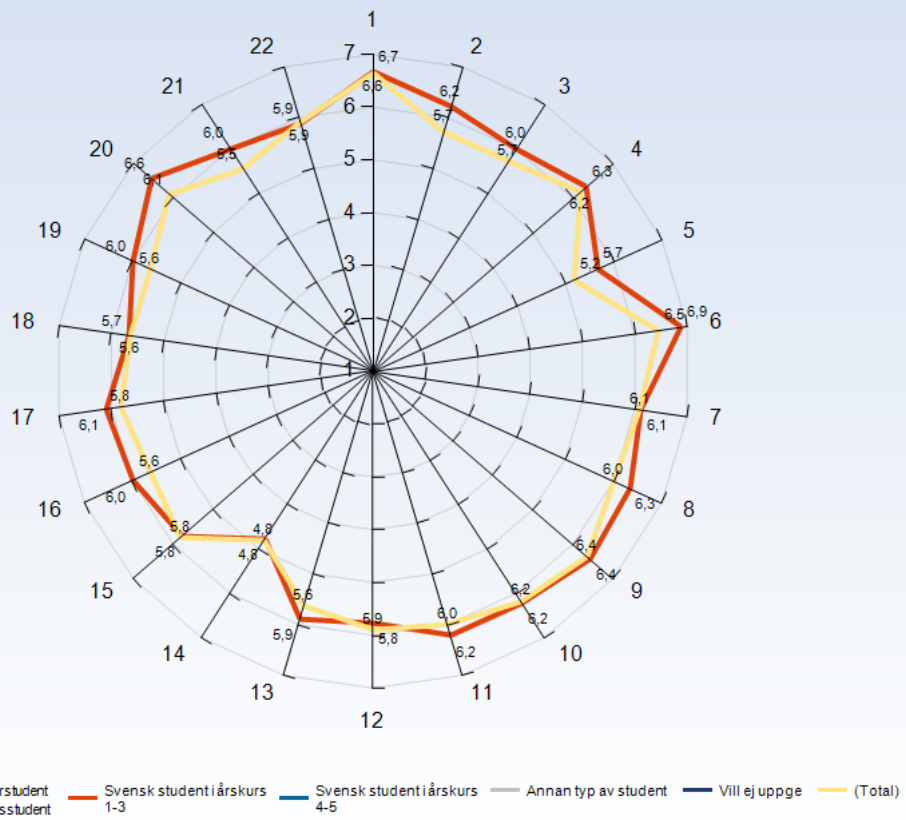
Ramsden, P. (2003). *Learning to Teach in Higher Education*, Chapter 6, pp. 84-105. New York: RoutledgeFalmer.

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: 6-8 timmar/vecka)

The project was very interesting!

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

Föreläsningarna - Johan är väldigt duktigt på att få fram sitt ämne på ett begripligt sätt och dessutom göra det intressant. Varken prog2 eller OS är väl något jag skulle sätta mig med på fritiden men Johan har på något sätt gjort båda kurserna riktigt intressanta och roliga!

It was a very good mixture of theoretical knowledge and practical programming with C and Rust. The course also exposed you to Linux which was sweet.

Bra föreläsningar

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

The experiments and the course book.

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

Föreläsningarna och läraren. Är nog de mest entusiasmerande föreläsningarna jag har gått på. Stort plus för album-referenserna!

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

The possibility to exploit the theoretical knowledge both with the experiments and the project.

Johan Montelius

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

Slides and lectures.

What was the best aspect of the course? (I worked: > 41 timmar/vecka)

Föreläsningarna var väldigt bra, intressanta och stimulerande! Uppskattar också väldigt mycket att det fanns övningar där man fick tillfälla att ställa frågor och få hjälp från TAs. Även kurslitteraturen var väldigt bra! Jag upplevde att jag inte ville sluta läsa för att det var så intressant.

What would you suggest to improve?

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

Perhaps more exercises.

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

Gillar inte publika seminarium med såpass stor grupp

För mycket fokus på uppgifterna på tentan. Ovanligt hård rättning på tentan. Svårt att få uppfattning om vad man skulle lära sig.

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

The seminars. They were a bit unclear sometimes.

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

Rust-projektet var lite för svårt att förstå eftersom vi inte kunde Rust innan. Sedan lärde det en bara om Paging mer eller mindre...

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

Emphasize more which are the prerequisites and maybe prepare some introduction for who wants to attend the course but does not completely satisfy all such prerequisites.

Lärandemålet "Be able to describe how an operating system is implemented to offer handling of users and rights" behandlades inte så mycket.

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

The exam has a weird grading system where a lot of correctly answered questions could end up not weighing in on the grade. You have to strategize so you only spend enough time and effort on basic questions or else risk having a lot of the answered questions not matter at all. Or if you do not think you can score exceptionally high you should skip the star questions since they only weigh in when a certain number of basic questions are correct. The current system might not be as dire as these examples show, but there is a clear room for improvement.



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)

Very important to do the experiments.

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

Gör övningarna

Read the book.

Läs kursboken noggrant

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

Read the book. Do all the experiments and write a summary of your findings. Install Linux on a partition of your laptop (if you don't have it already) and dabble with it.

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

Läs boken, den mycket rolig och bra.

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

Try to study and practice day by day.

Gör samtliga experiment.

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

Study and understand the slides of the lectures.

What advice would you like to give to future participants? (I worked: > 41 timmar/vecka)

Se till att hänga med i kursen från början för att mycket man går igenom bygger på att man har förstått det man gick igenom tidigare.

Is there anything else you would like to add?

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

Eloge till Johan

Good course!

Is there anything else you would like to add? (I worked: 21-23 timmar/vecka)

Not that I can think of.

Is there anything else you would like to add? (I worked: > 41 timmar/vecka)

Det var bra att det fanns en kursnämnd. Detta gjorde att man som student kunde komma med feedback och förslag, och jag kände att våra åsikter togs på allvar och för det mesta gjordes ändringar utifrån feedbacken. Jag uppskattar också att man fick ha med ett handskrivet A4-papper på tentan. Man lärde sig mycket av att skriva det och det kändes bra att veta att man inte behövde memorera alla termer inför tentan (för det var en hel del termer man behövde ha koll på).

SPECIFIC QUESTIONS



RESPONSE DATA

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

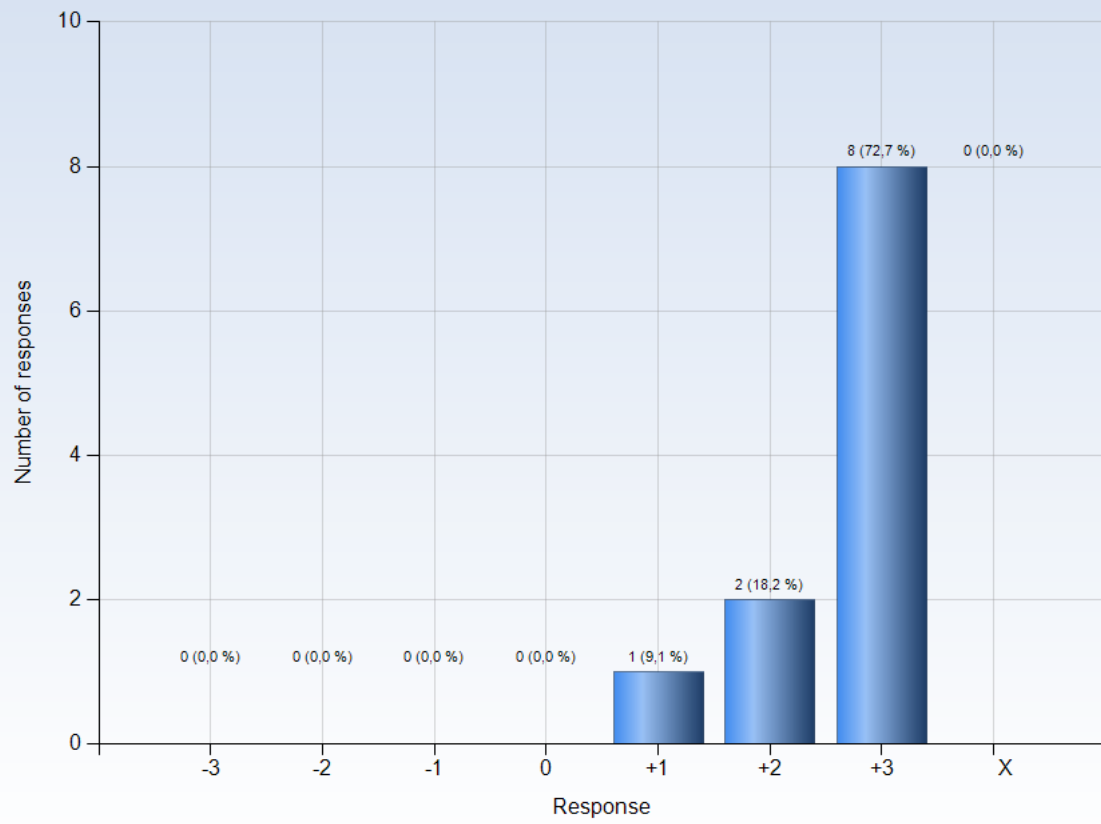
-3 = No, I strongly disagree with the statement

0 = I am neutral to the statement

+3 = Yes, I strongly agree with the statement

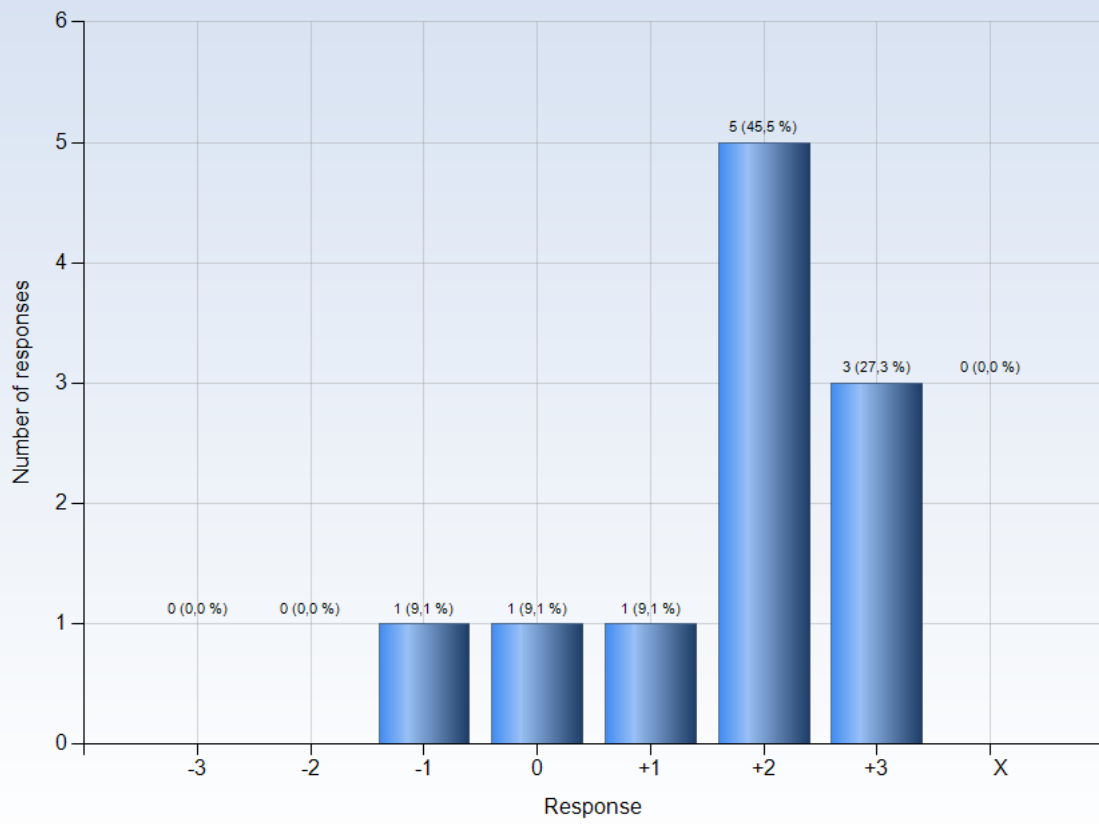
X = I decline to take a position on the statement

1. I worked with interesting issues



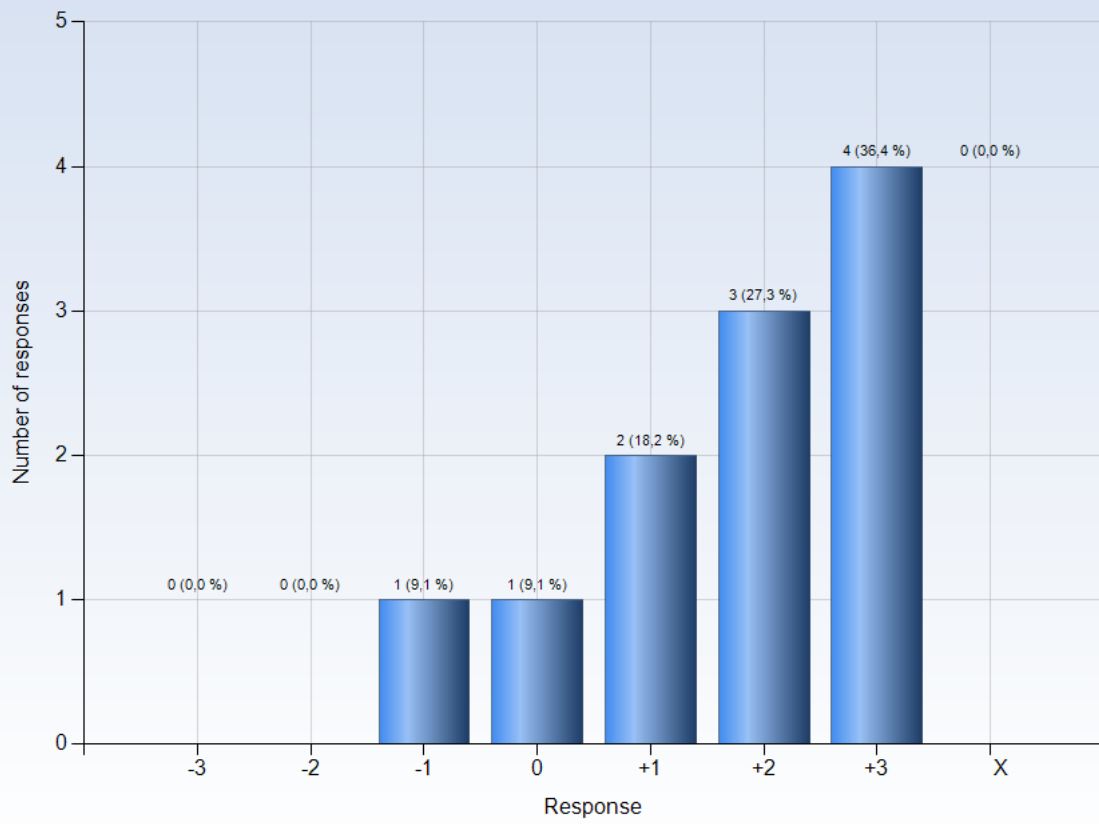
Comments

2. I explored parts of the subject on my own



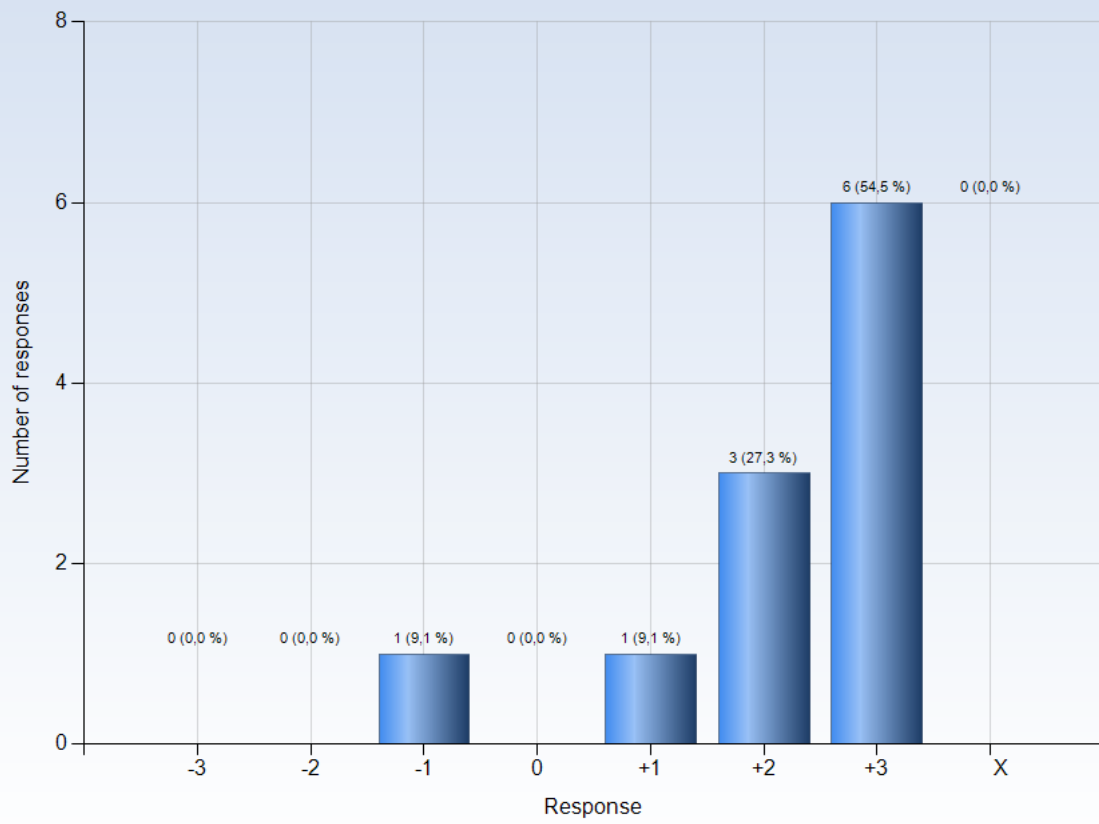
Comments

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



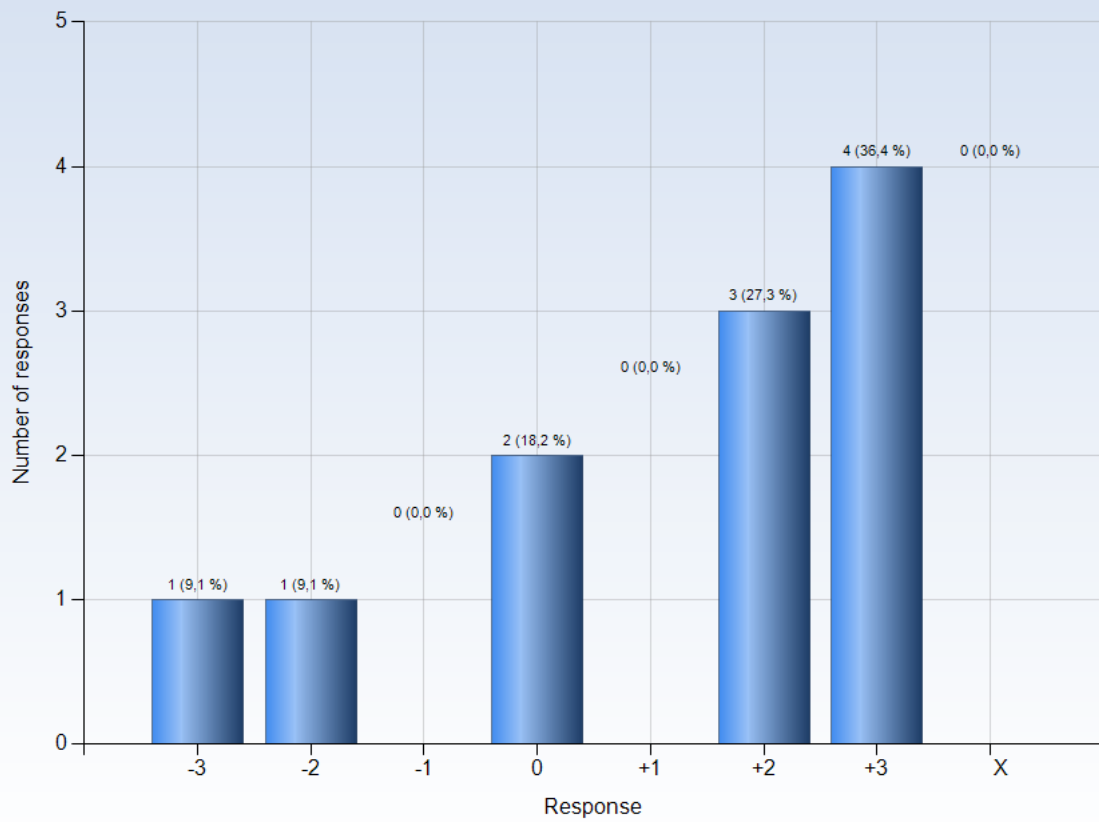
Comments

4. The course was challenging in a stimulating way



Comments

5. I felt togetherness with others on the course

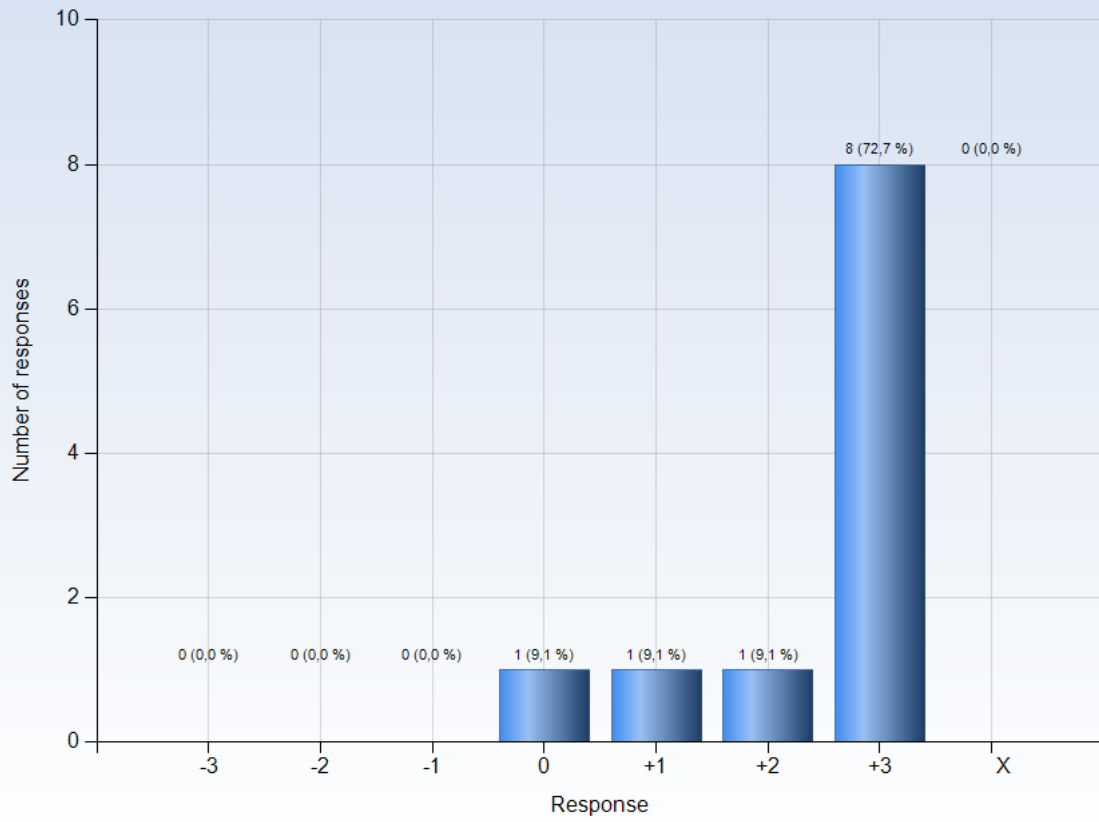


Comments

Comments (My response was: -3)

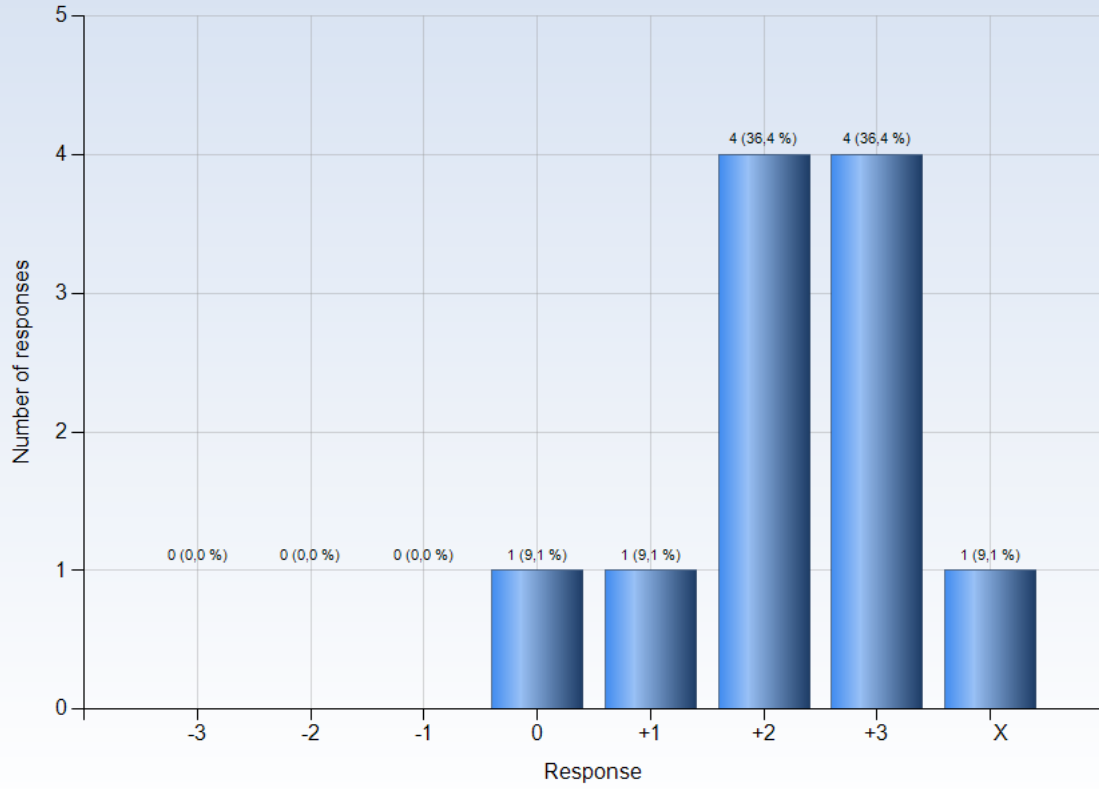
Tycker inte om att svara på seminarium

6. The atmosphere on the course was open and inclusive



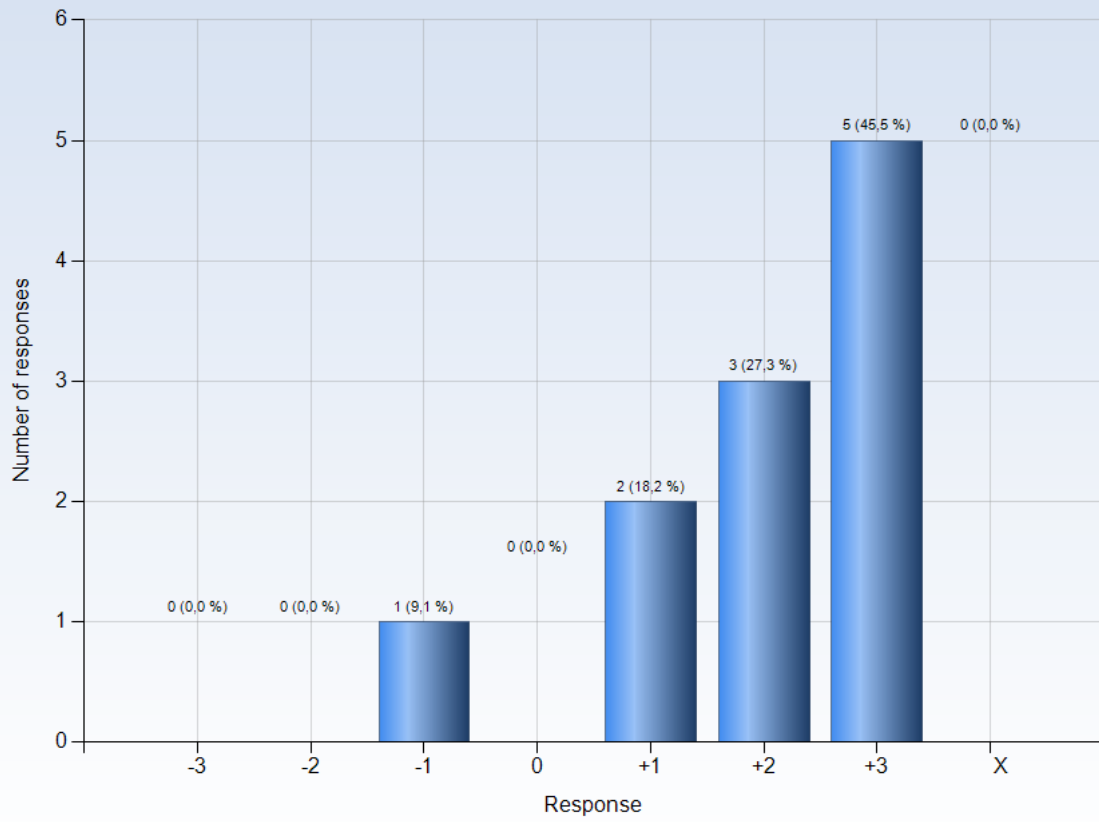
Comments

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

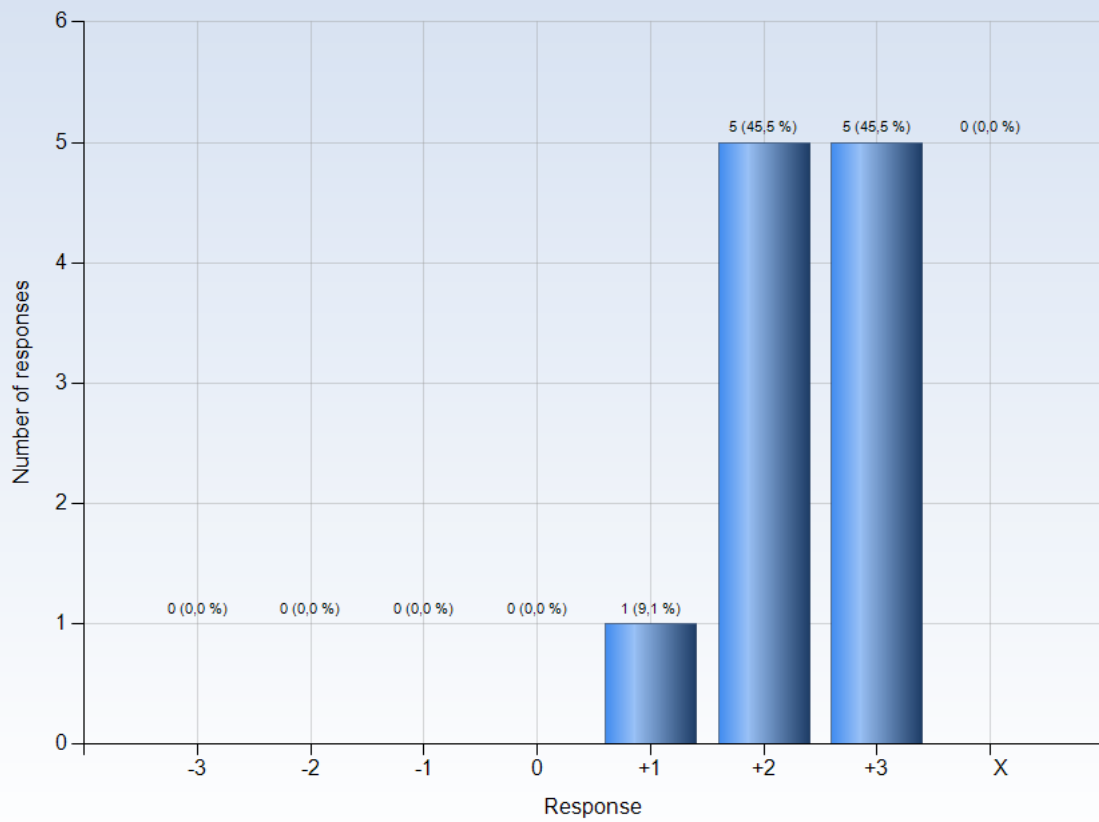


Comments

Comments (My response was: +2)

Schemat för seminarierna var inledningsvis lite otydligt.

9. I understood what the teachers were talking about

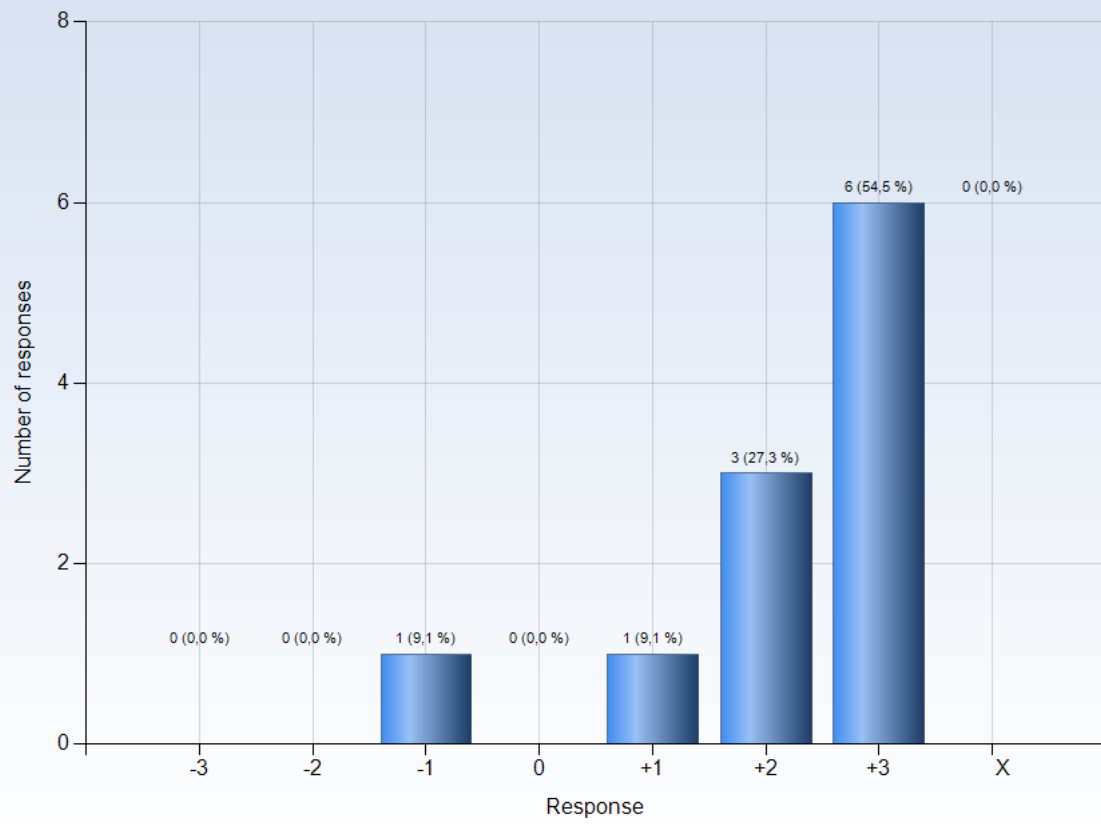


Comments

Comments (My response was: +3)

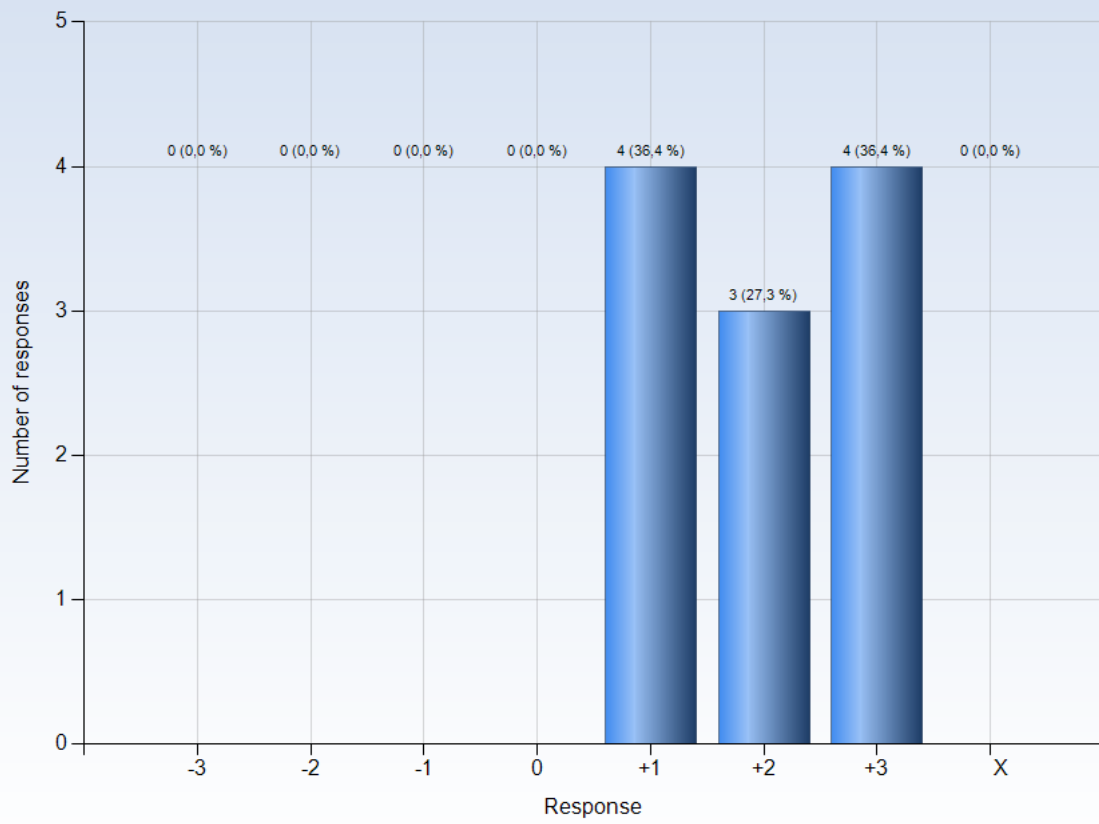
Bästa läraren! Helt fantastiska föreläsningar.

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



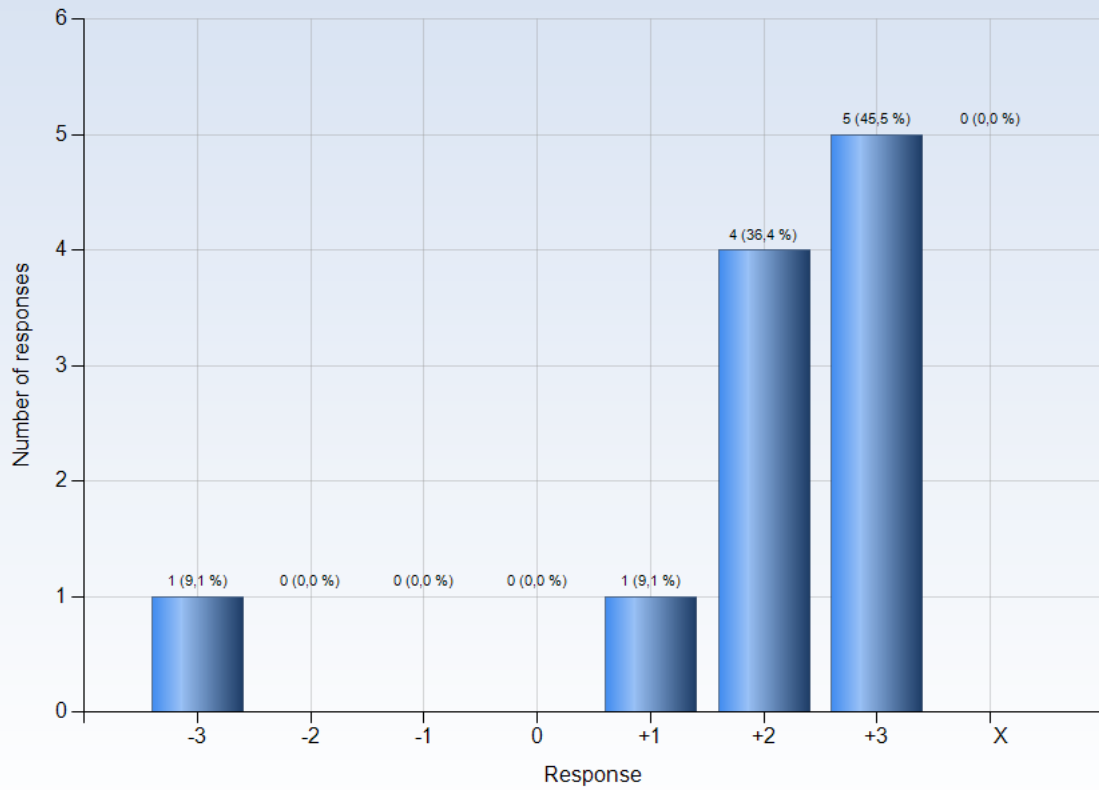
Comments

11. Understanding of key concepts had high priority



Comments

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

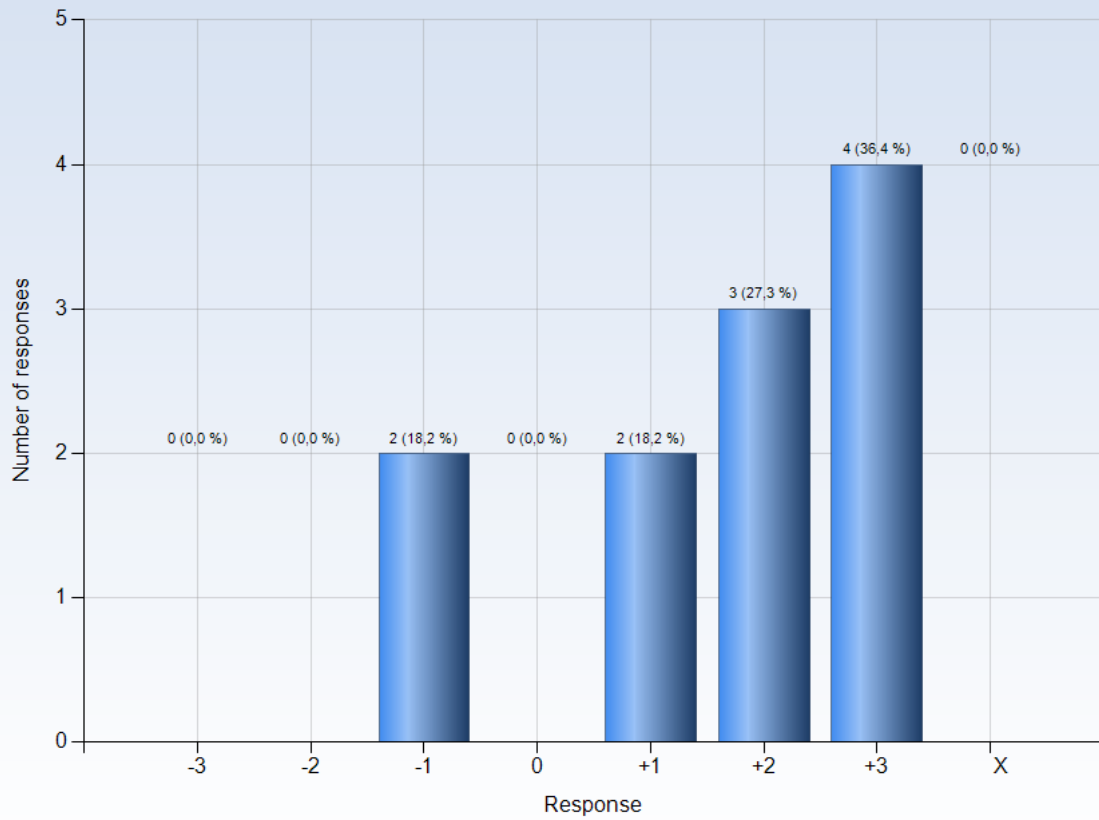


Comments

(My response was: +1)

Rust-projektet var kul, men man lärde sig mest bara om Paging där i slutändan...

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

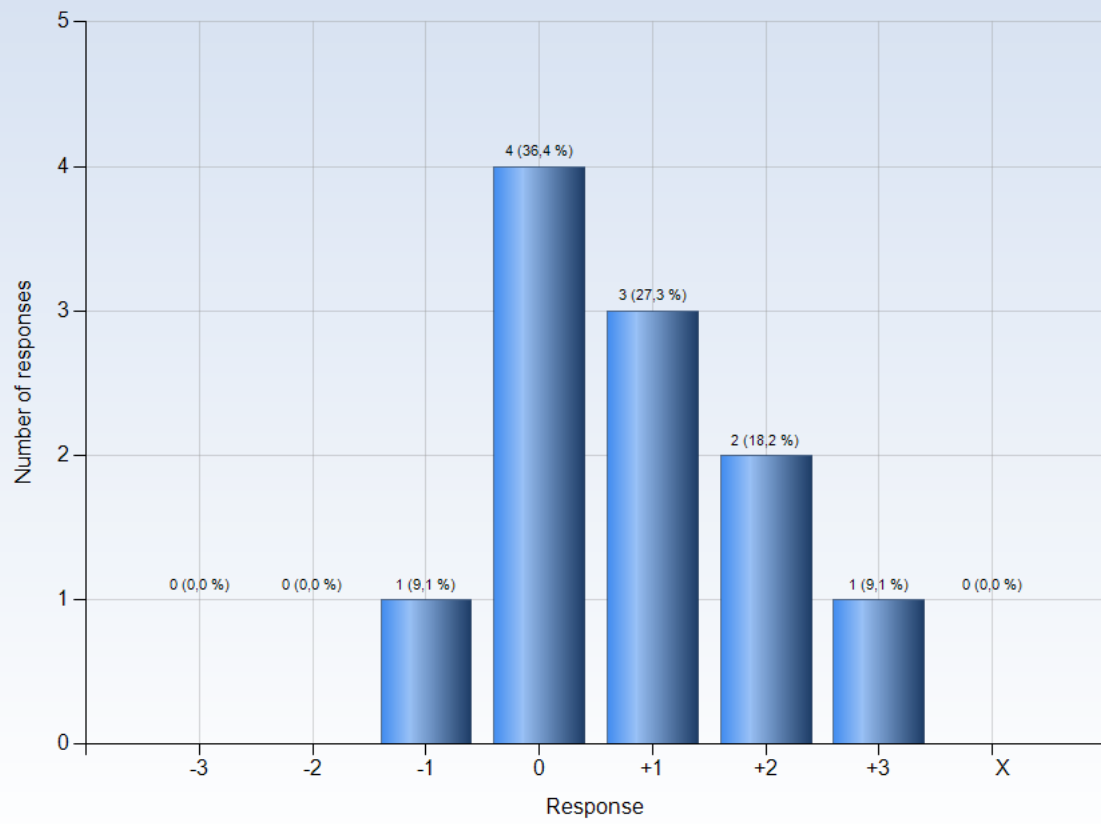


Comments

Comments (My response was: +3)

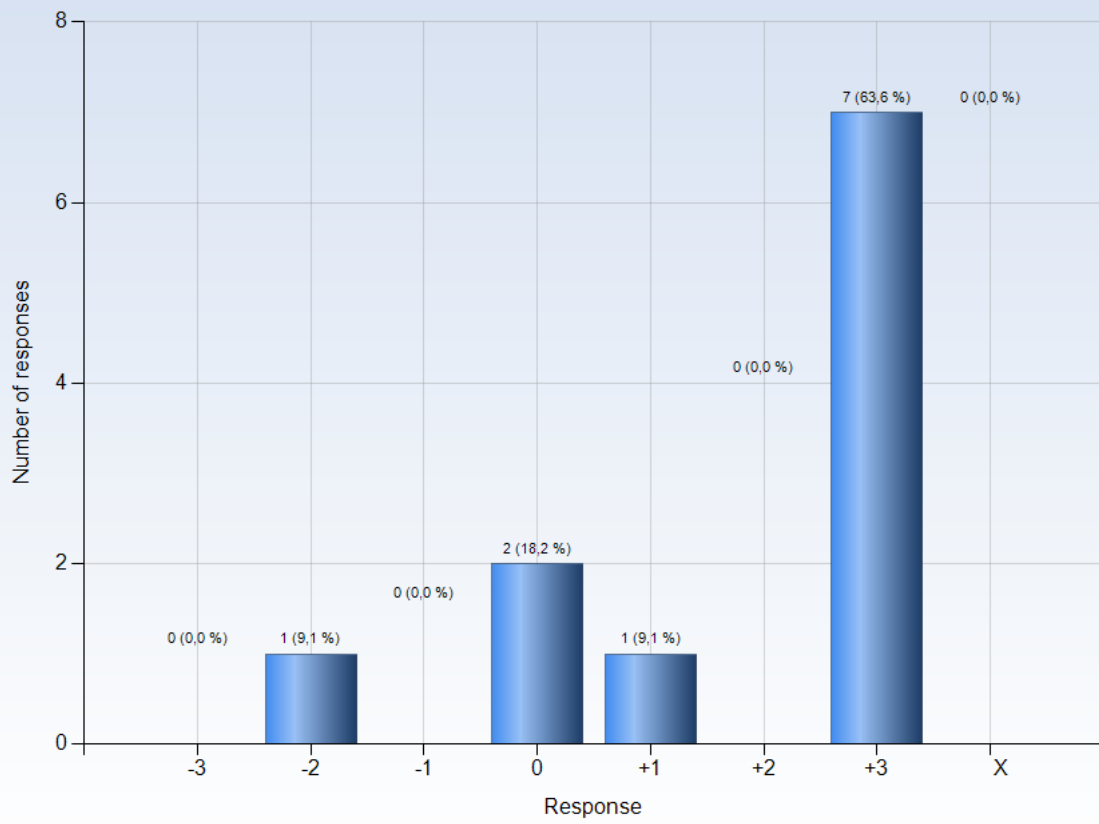
Gränsen för de grundläggande poängen för att kunna få A eller B var för högt satt i mitt tycke. Nu genomfördes rättningen på ett väldigt snällt sätt så det var möjligt att få de högre betygen ändå...

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



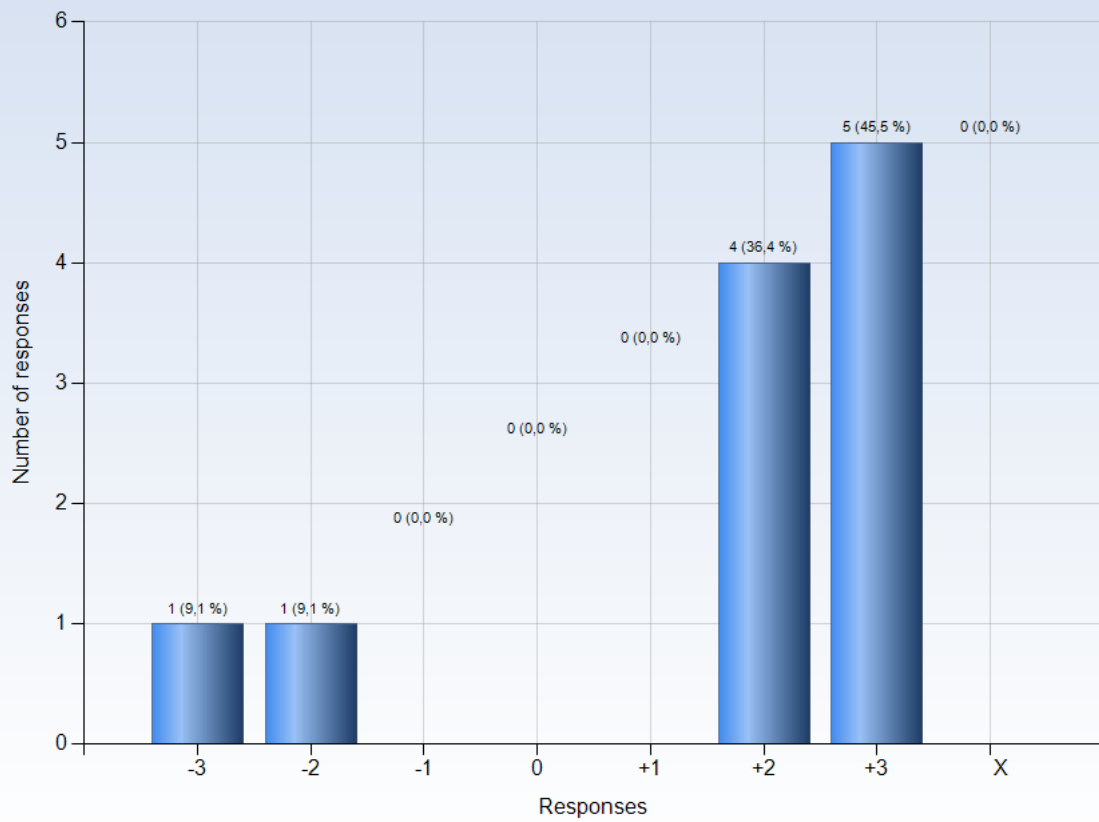
Comments

15. I could practice and receive feedback without being graded



Comments

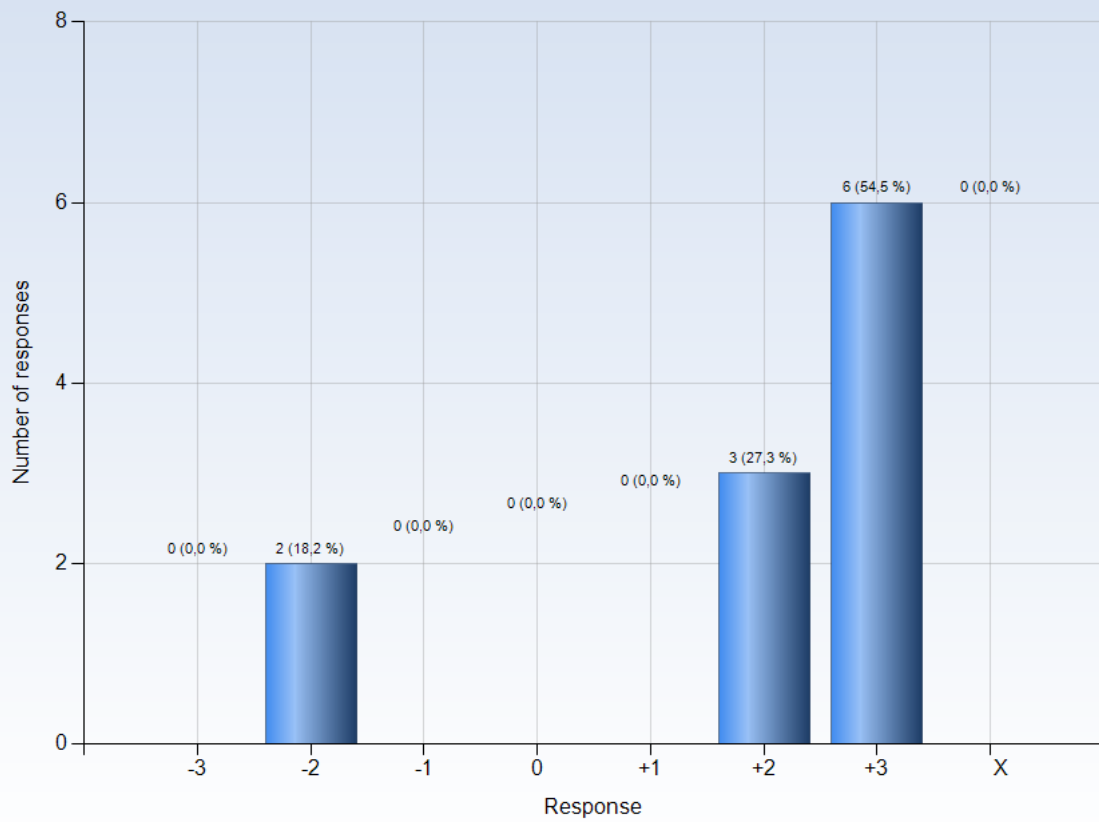
16. The assessment on the course was fair and honest



Comments

Comments (My response was: -3)
Orimligt hård rättning av tentamen

17. My background knowledge was sufficient to follow the course

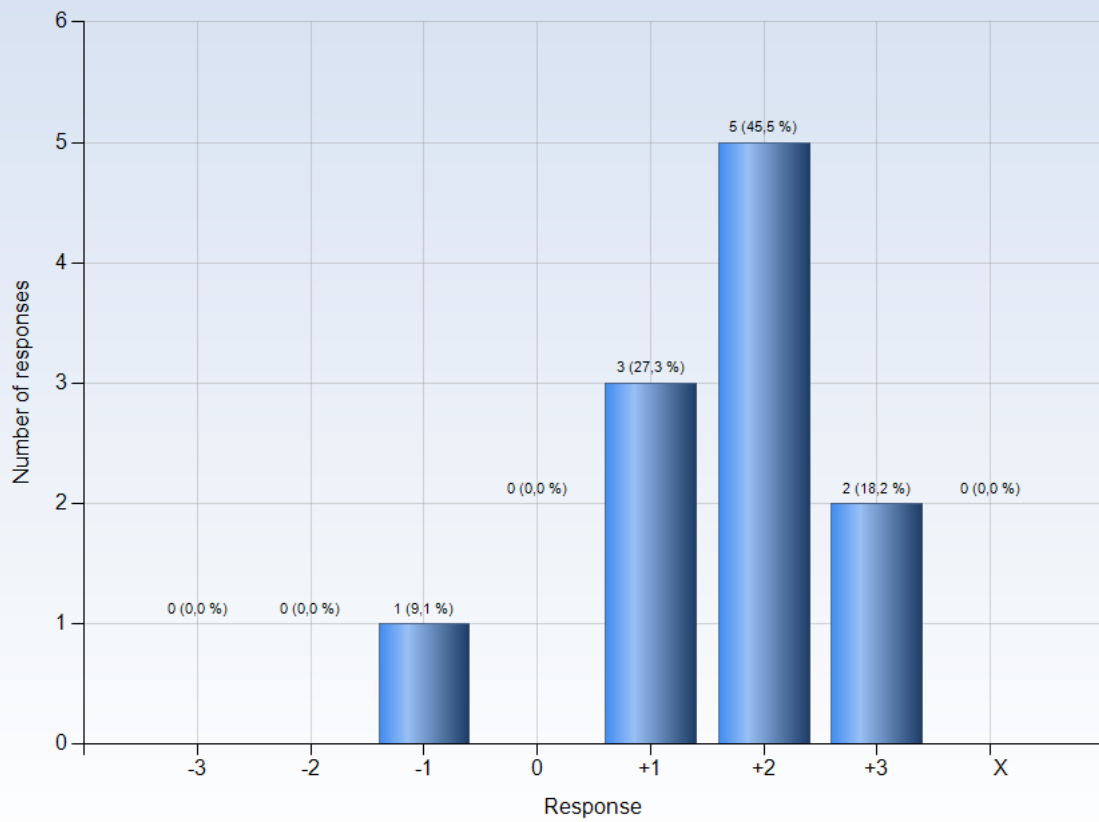


Comments

Comments (My response was: -2)

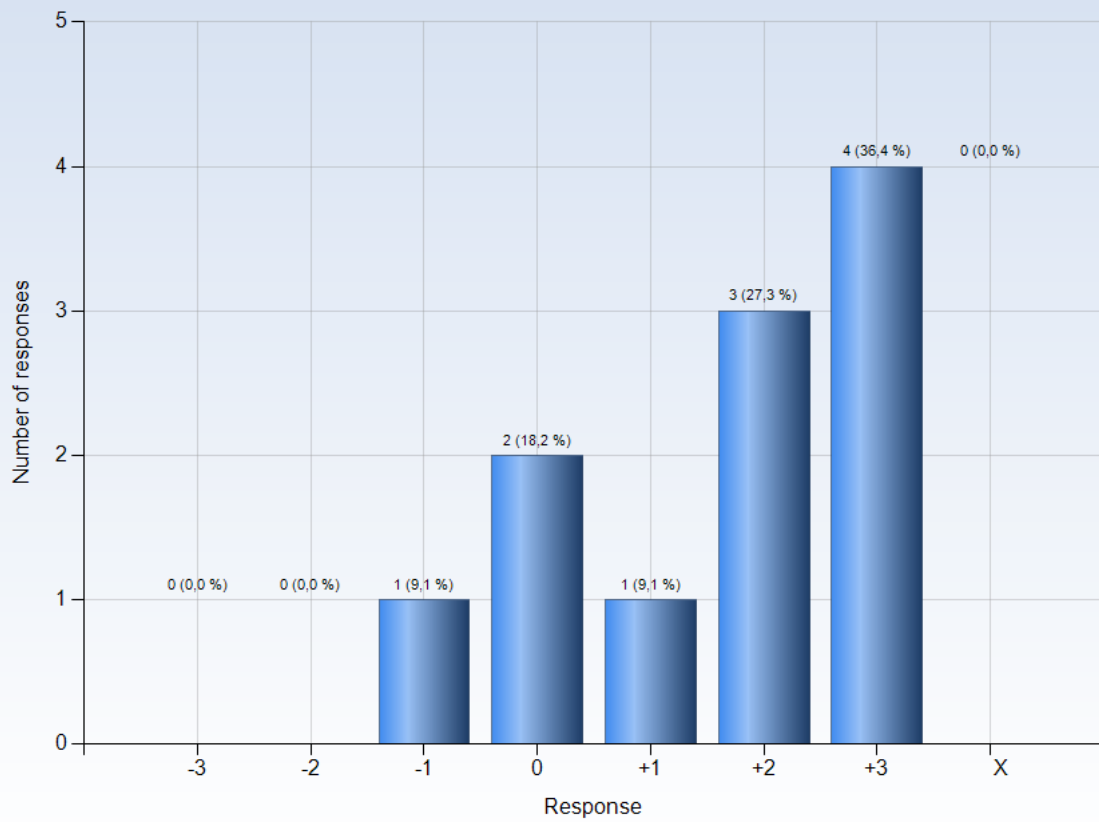
Vi borde lära oss mer C-programmering innan kursen. Det som ingick i datateknik-kursen är för lite.

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



Comments

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

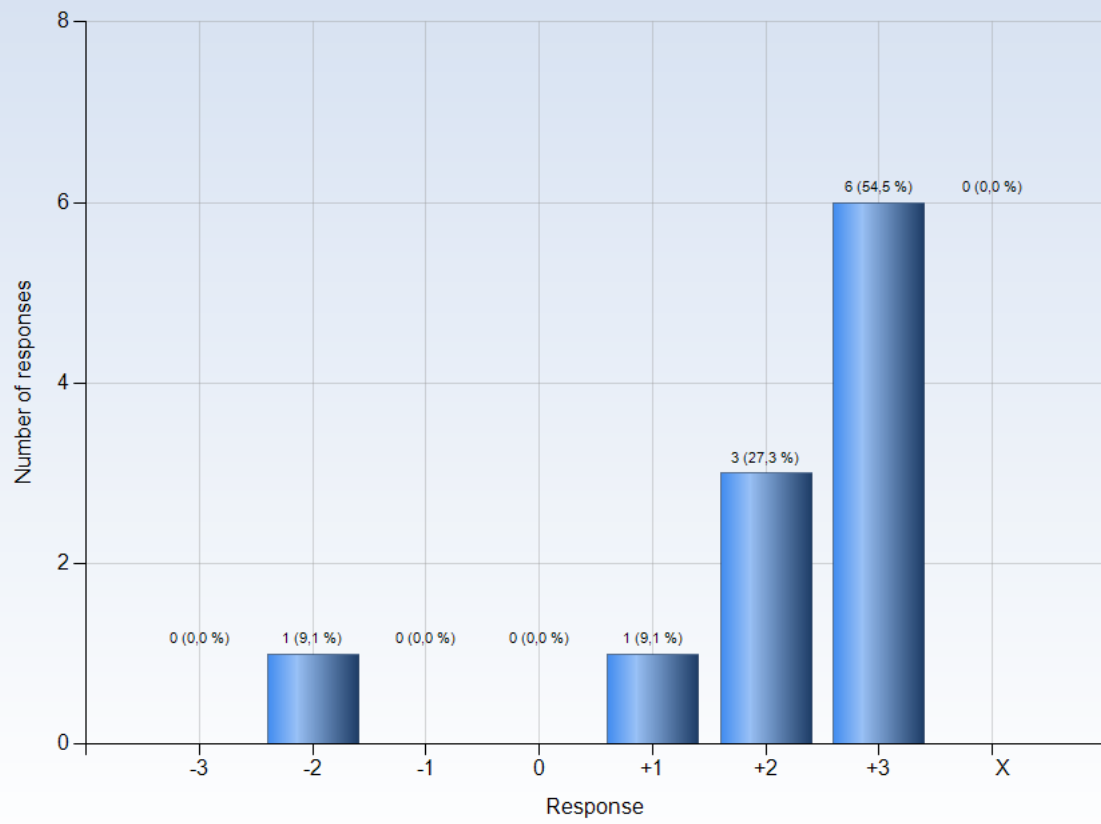


Comments

Comments (My response was: 0)

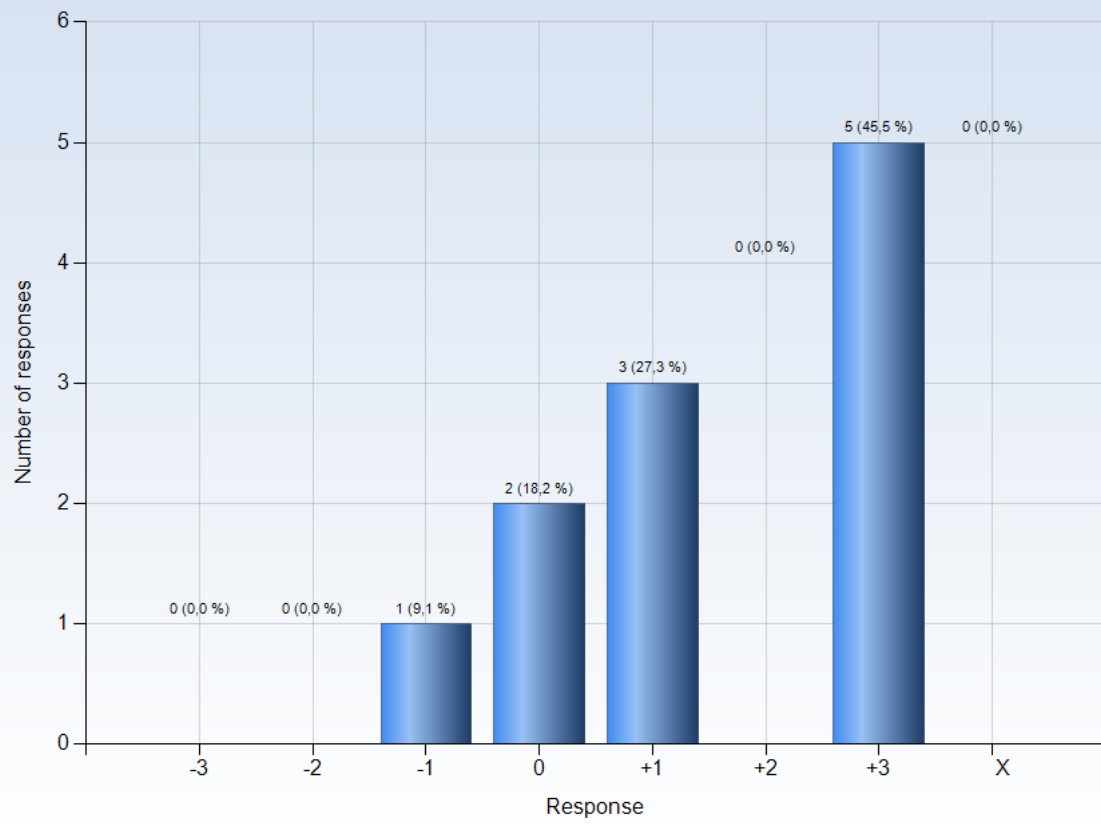
Tycker inte om seminarium

20. I had opportunities to choose what to do



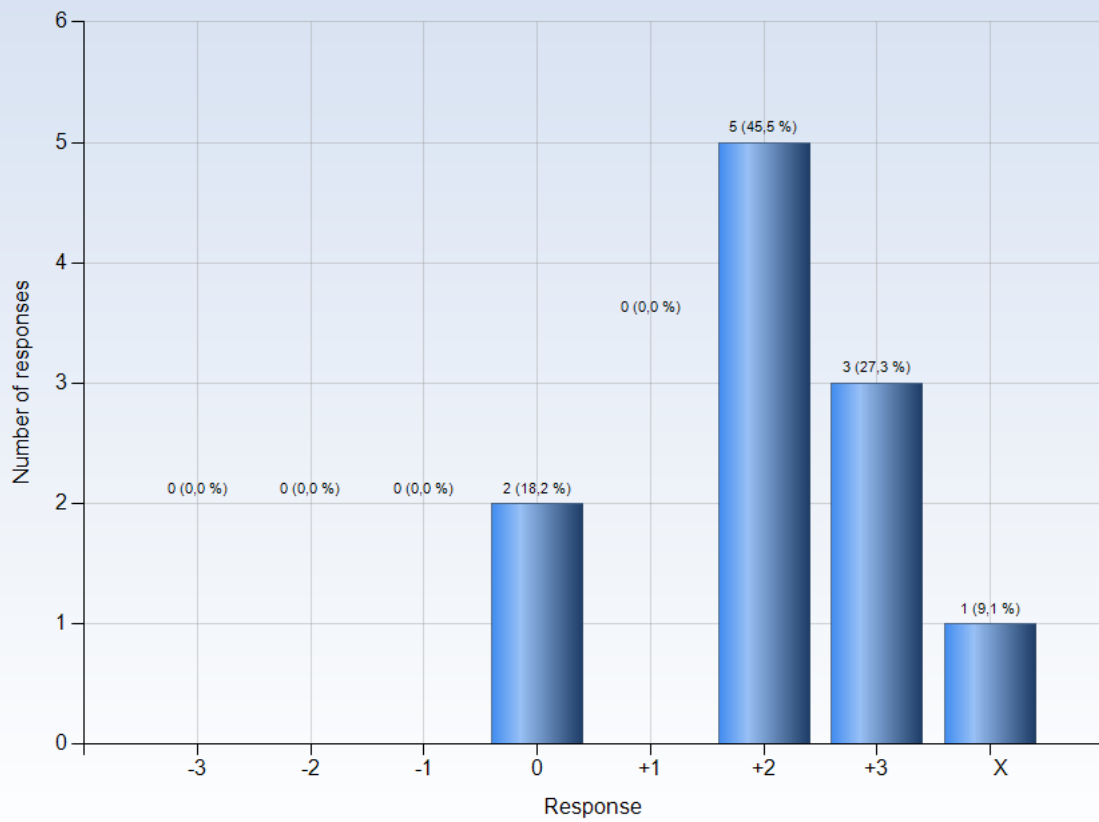
Comments

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

Comments (My response was: 0)

Antagligen, men jag fick icke erfara den situationen