

Kursanalys för Arkitektur och design av globala applikationer, IV1201, VT 20

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1 Minnesanteckningar från kursnämnd

Ingen ville delta i kursnämnden.

2 Enkät

LEQ-enkäten besvarades tyvärr endast av 3 deltagare, vilket motsvarar 7,5% av kursdeltagarna. Det fullständiga resultatet finns i bilaga ett.

2.1 Analys av tidsåtgång

Det är knappast meningsfullt att dra slutsatser av kursenkäten, med tanke på den låga svarsfrekvensen.

2.2 Analys av kursupplevelsen

Det är knappast meningsfullt att dra slutsatser av kursenkäten, med tanke på den låga svarsfrekvensen. De få svaren som lämnades in visar dock inget behov av förändringar till nästa kursomgång. Endast två områden av 22 har ett omdöme under 5,5 på den sjugradiga skalan, och inget område har sämre resultat än 5,3.

Synpunkter som framförts i den skriftliga slutrapporten visar att många är mycket nöjda med att kursen består av ett omfattande mjukvaruprojekt, som ger övning i flera viktiga moment. Många uppskattar också mycket att kursen har hög frihetsgrad, det är möjligt att tämligen fritt välja fördjupningsområde.

3 Examinationsgrad

- 40 deltagare kursregistrerades.
- 37 deltagare (92%) klarade den enda delkursen INL1, och därmed hela kursen.
- Slutbetygen föredelade sig som följer.

Betyg	Antal	Procentandel av kursregistrerade
A	8	20%
B	4	10%
C	15	37%
D	10	25%
E	0	0%
F/ej klar	3	8%

4 Förändringar från föregående kursomgång

En förändring gjordes från föregående kursomgång, deltagarna skrev individuella skriftliga reflektionsrapporter inför varje muntlig redovisning. Det var bra eftersom deltagarna där berättade friare än vid de muntliga redovisningarna hur de såg på gruppens arbete.

5 Åtgärder till nästa kursomgång

Nedanstående åtgärder bör vidtas till nästa kursomgång.

- Utöka undervisningen om CI/CD pipelines, containrar och molnbaserad arkitektur.
- Lägg mer tid på kodexempel i JavaScript.

Bilaga 1, Resultat av LEQ-enkät

Här presenteras det fullständiga resultatet av kursenkäten.

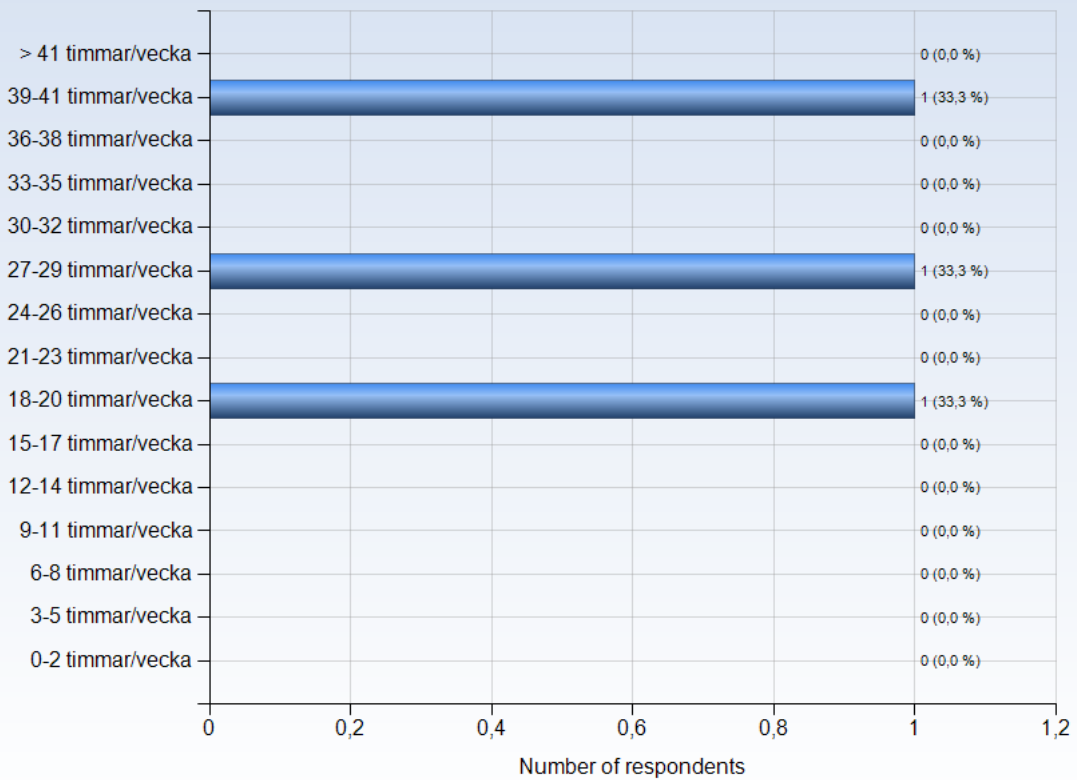


IV1201 - 2020-03-06

Antal respondenter: 40
Antal svar: 3
Svarsfrekvens: 7,50 %

ESTIMATED WORKLOAD

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



Comments

Comments (I worked: 39-41 timmar/vecka)

Väldigt lite styrning ledde till ganska tung arbetsbelastning. Hur det är tänkt att man ska läsa en kurs (exjobb) parallellt med denna känns lite knepigt att förstå.

Kursinnehållet i sig är vettigt men det är väldigt fritt för tolkning vad som faktiskt måste utföras.



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:

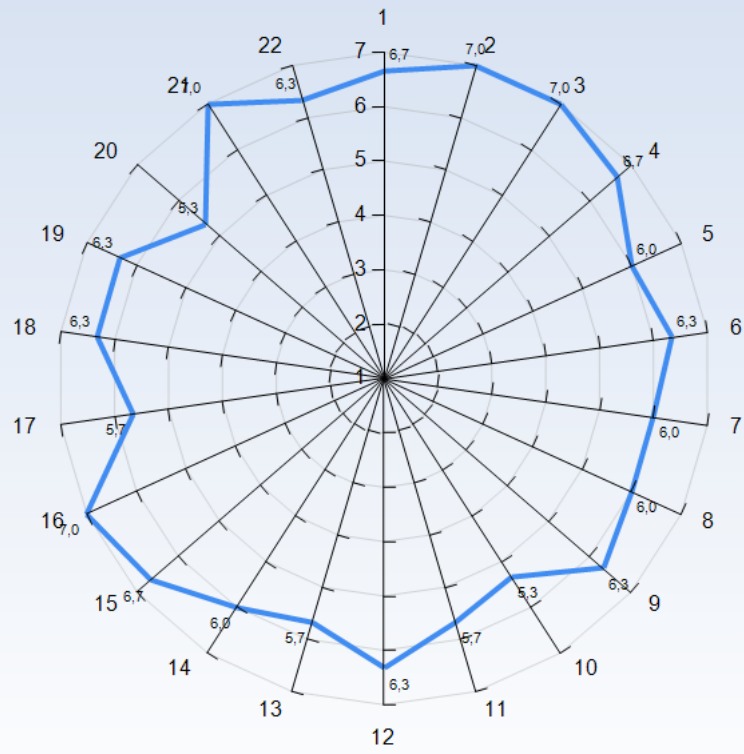
1 = No, I strongly disagree with the statement

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



— Medelvärde



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.

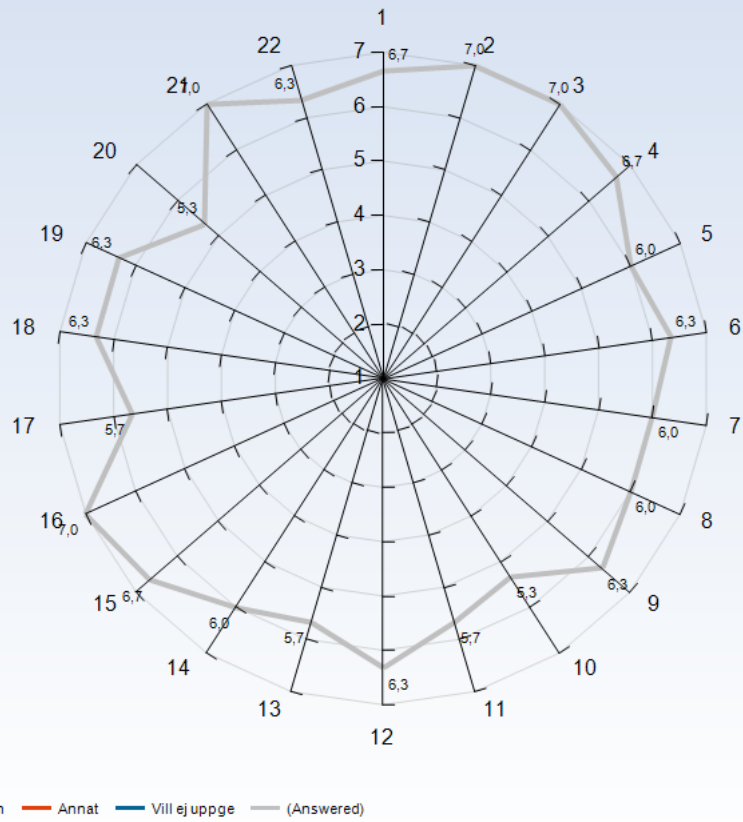
Biggs J. & Tang, C. (2011). *Teaching for Quality Learning at University*, Chapter 6, pp. 95-110. Maidenhead: McGraw Hill.

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.

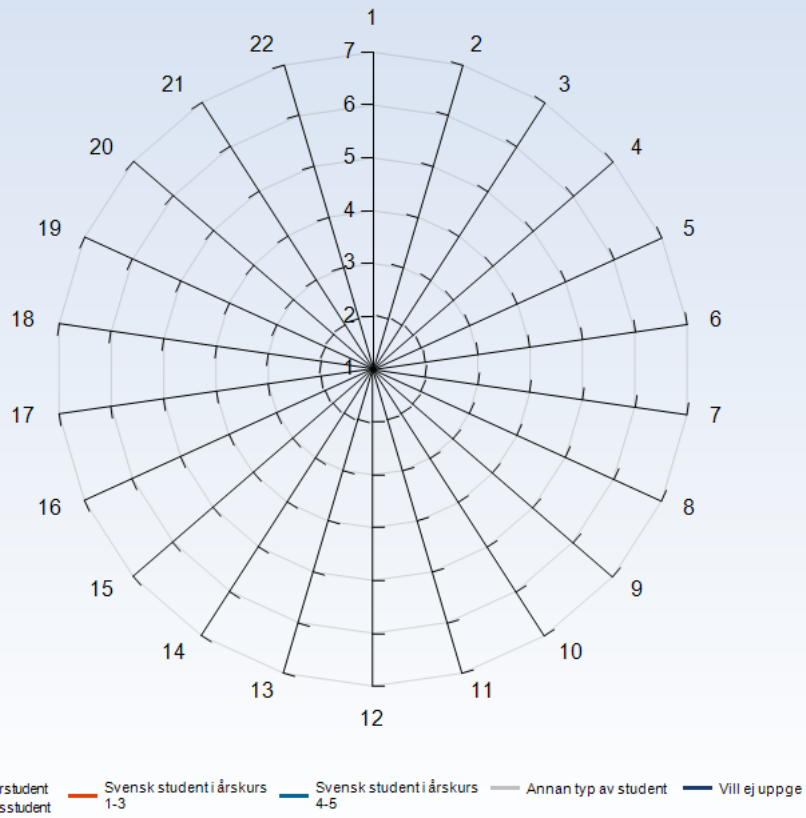
Ramsden, P. (2003). *Learning to Teach in Higher Education*, Chapter 6, pp. 84-105. New York: RoutledgeFalmer.

Average response to LEQ statements - per gender



Comments

Average response to LEQ statements - per type of student

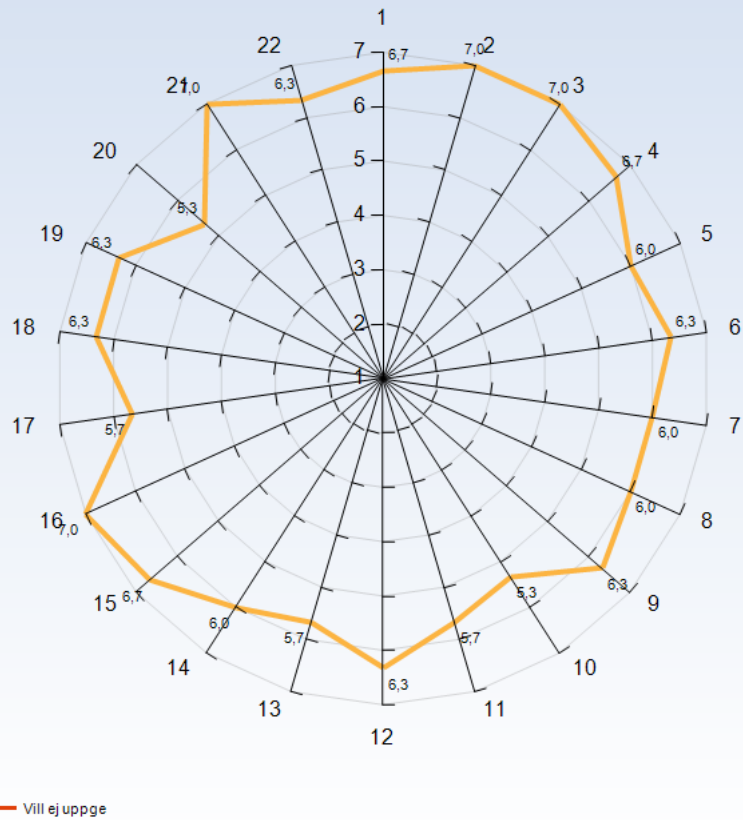


Comments

Comments (I am: Annan typ av student)

Funkade fint att vara överärig och läsa den här kursen, men gruppindelningen hade potential att bli stökig om jag inte känt andra som skulle läsa kursen sen tidigare.

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: 18-20 timmar/vecka)

Det bästa med kursen var att det byggde på alla tidigare kurser man har haft. Man sätter mycket av det man har lärt sig på test.

What was the best aspect of the course? (I worked: 39-41 timmar/vecka)

Äntligen ett konkret projekt att jobba mer fritt i utan konstiga krav på projektmetoder och självanalys.



What would you suggest to improve?

What would you suggest to improve? (I worked: 39-41 timmar/vecka)

Se över om det ska vara så fokuserat på Java, många använder javascript-stackar eftersom Node är så stort nu.

What advice would you like to give to future participants?

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

Börja tidigt. Det är väldigt mycket eget ansvar då det är ett projekt

What advice would you like to give to future participants? (I worked: 39-41 timmar/vecka)

Våga prova att skippa java/thymeleaf/spring, Node är vägen framåt.

Is there anything else you would like to add?

SPECIFIC QUESTIONS



RESPONSE DATA

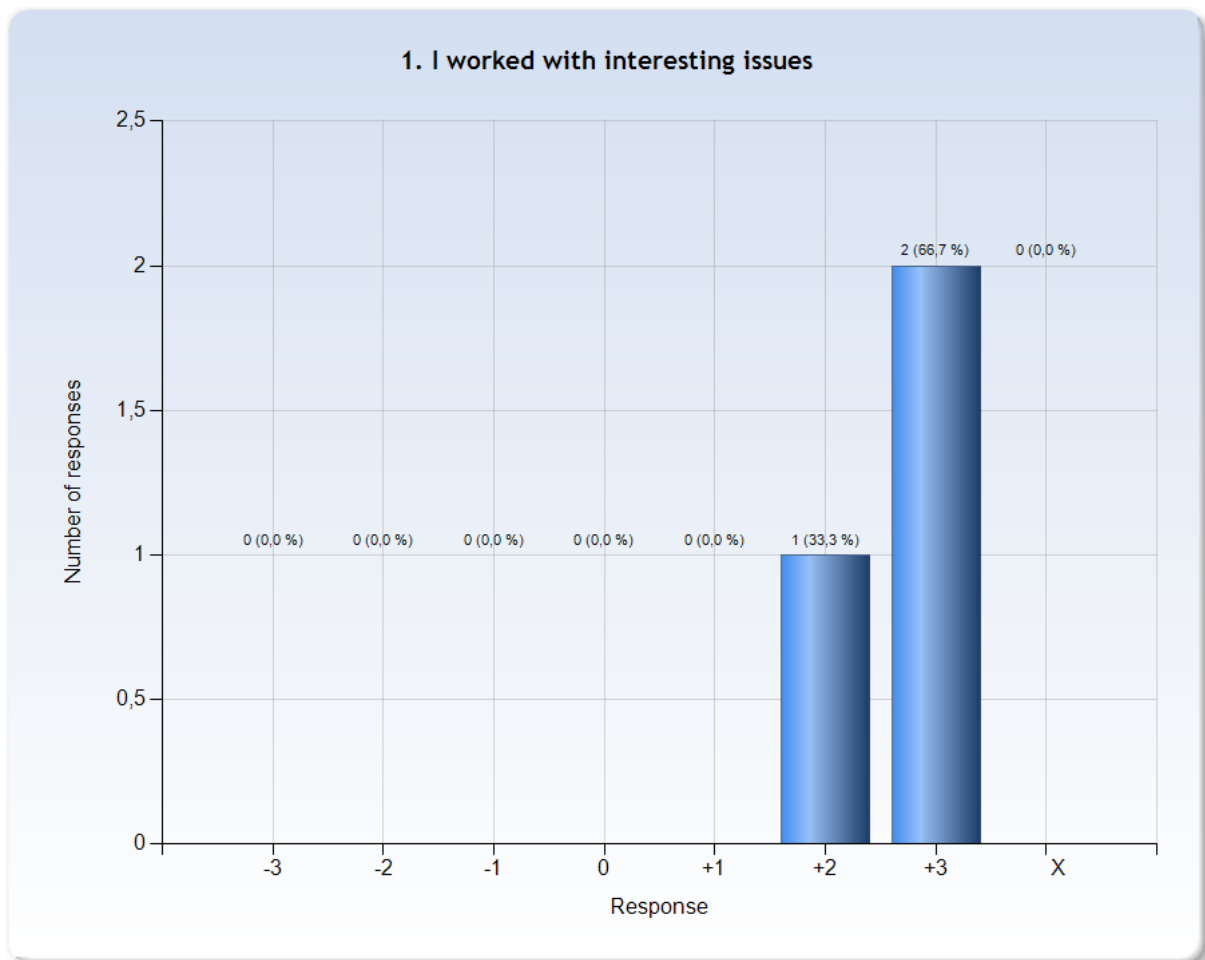
The diagrams below show the detailed response to the LEQ statements. The response scale is defined by:

-3 = No, I strongly disagree with the statement

0 = I am neutral to the statement

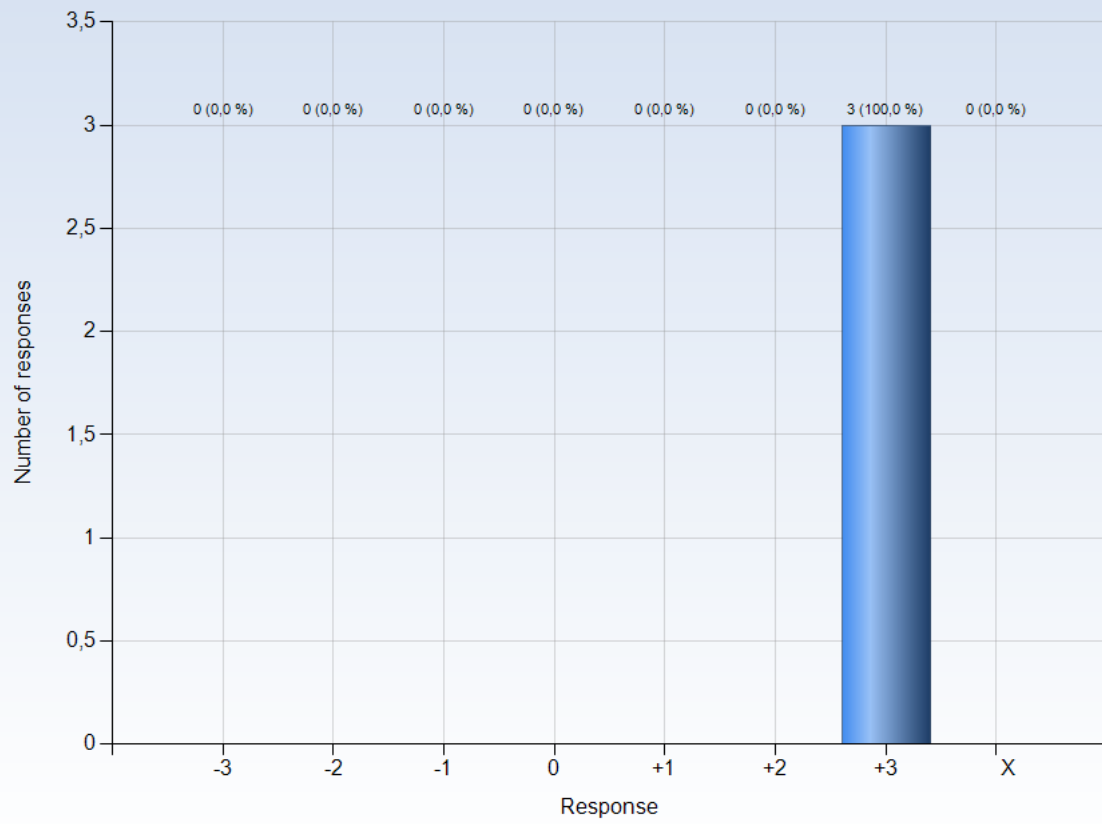
+3 = Yes, I strongly agree with the statement

X = I decline to take a position on the statement



Comments

2. I explored parts of the subject on my own

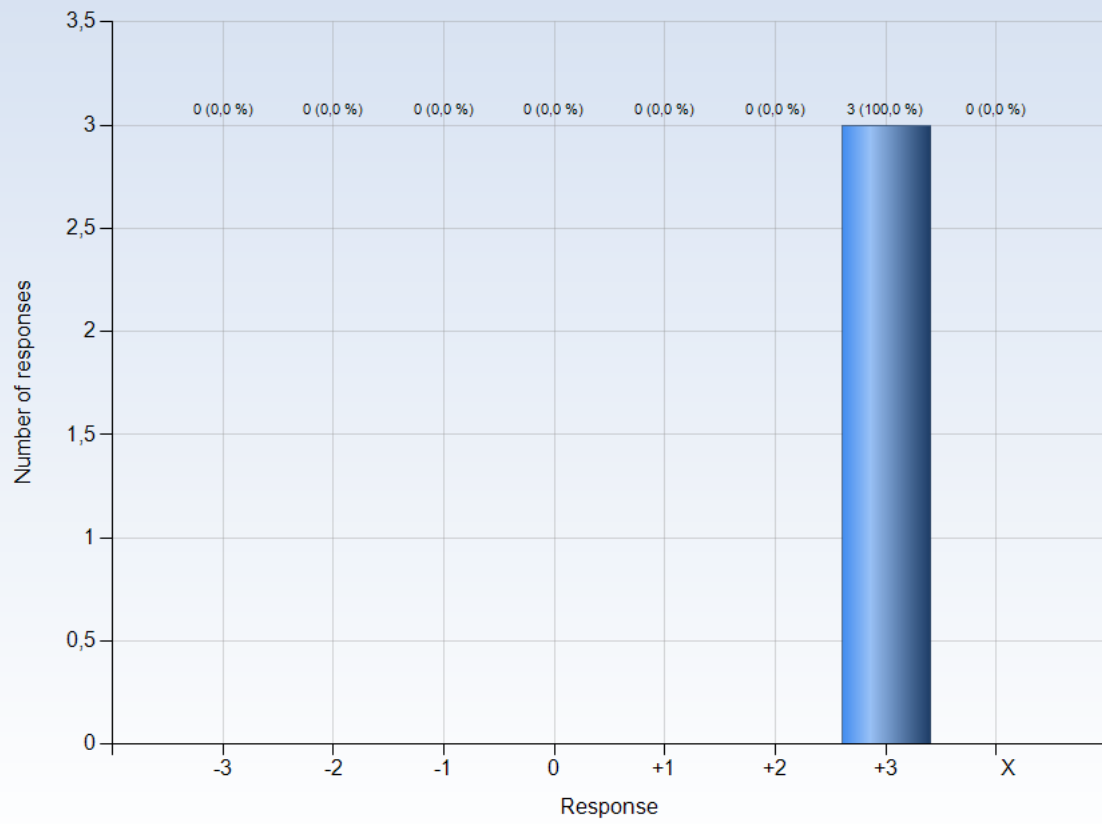


Comments

Comments (My response was: +3)

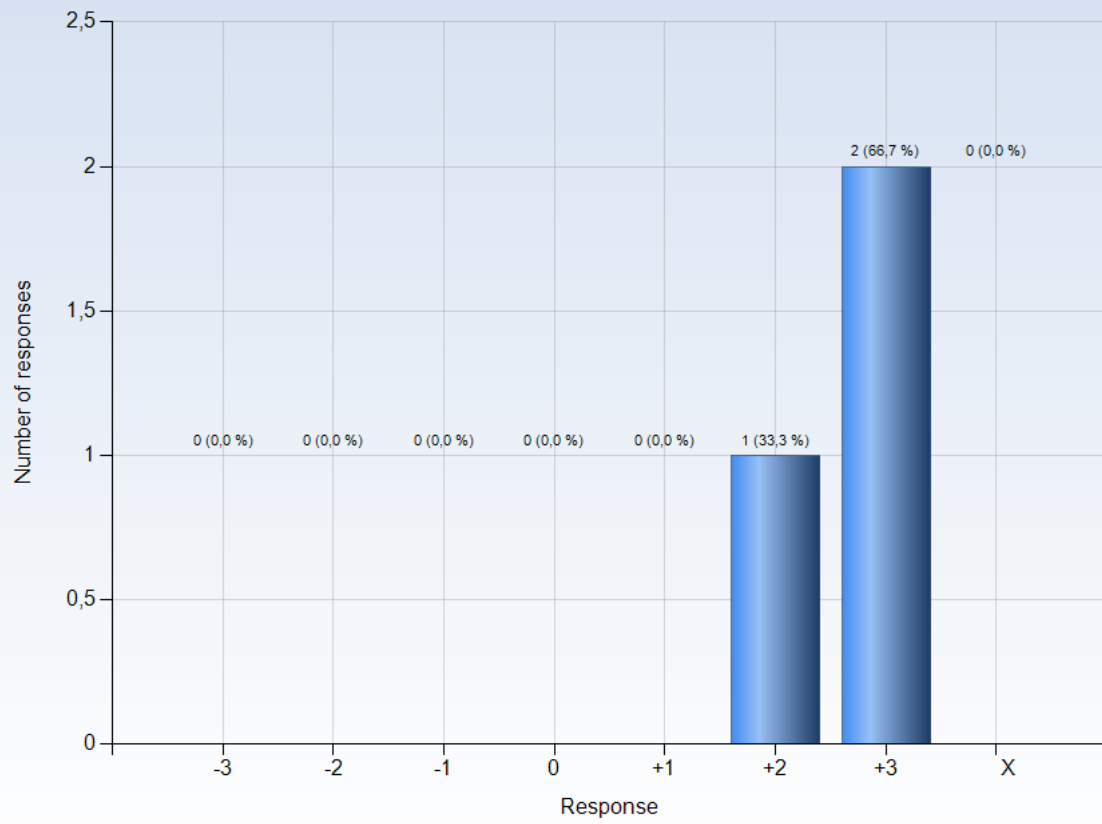
I princip endast självlärande

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



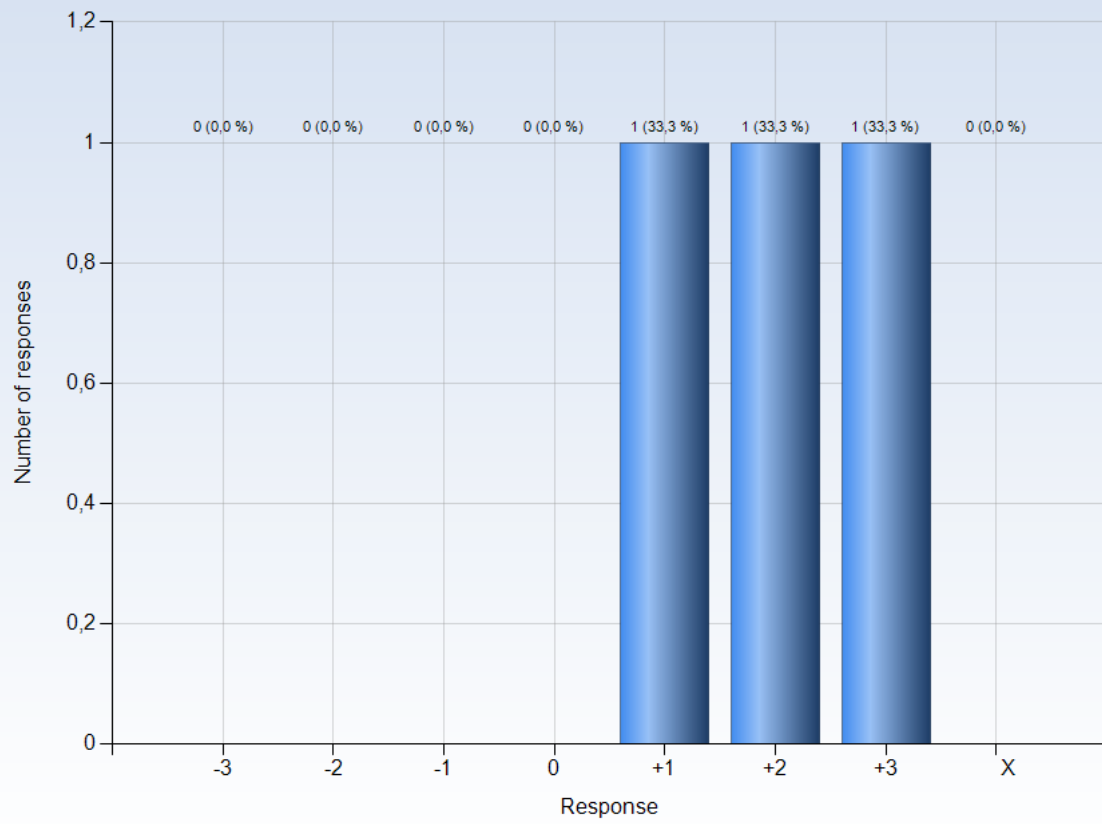
Comments

4. The course was challenging in a stimulating way



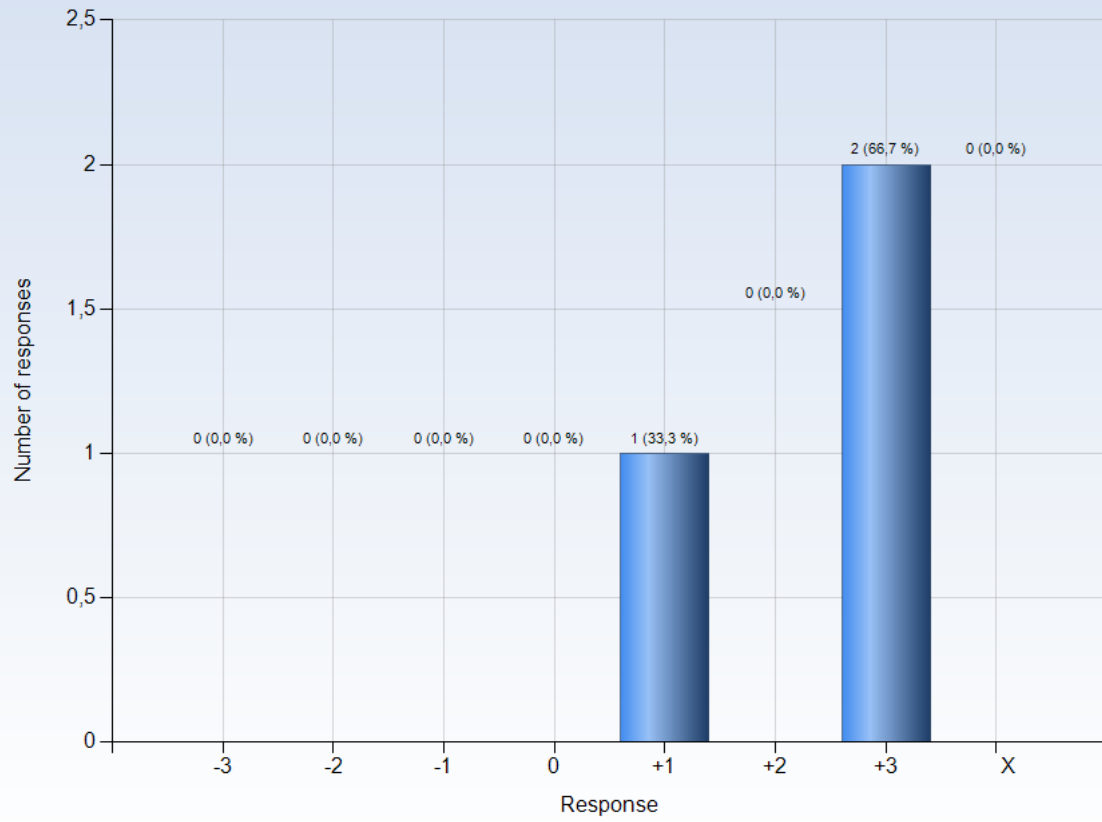
Comments

5. I felt togetherness with others on the course



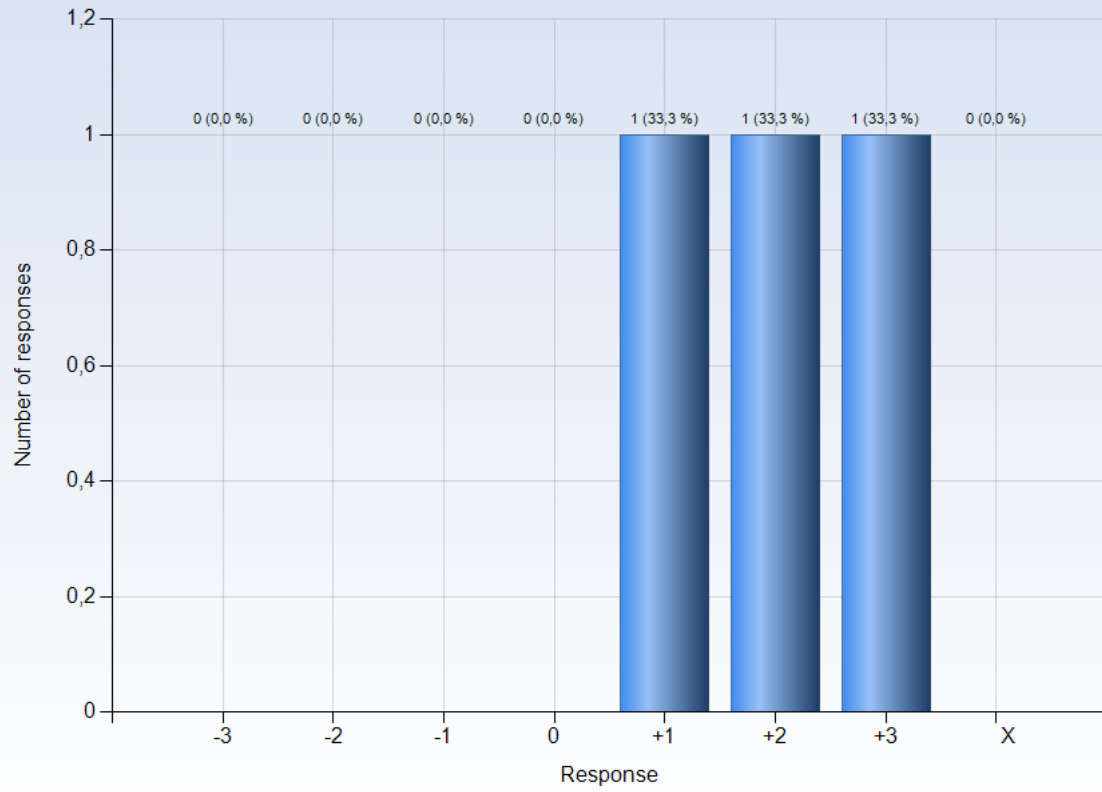
Comments

6. The atmosphere on the course was open and inclusive



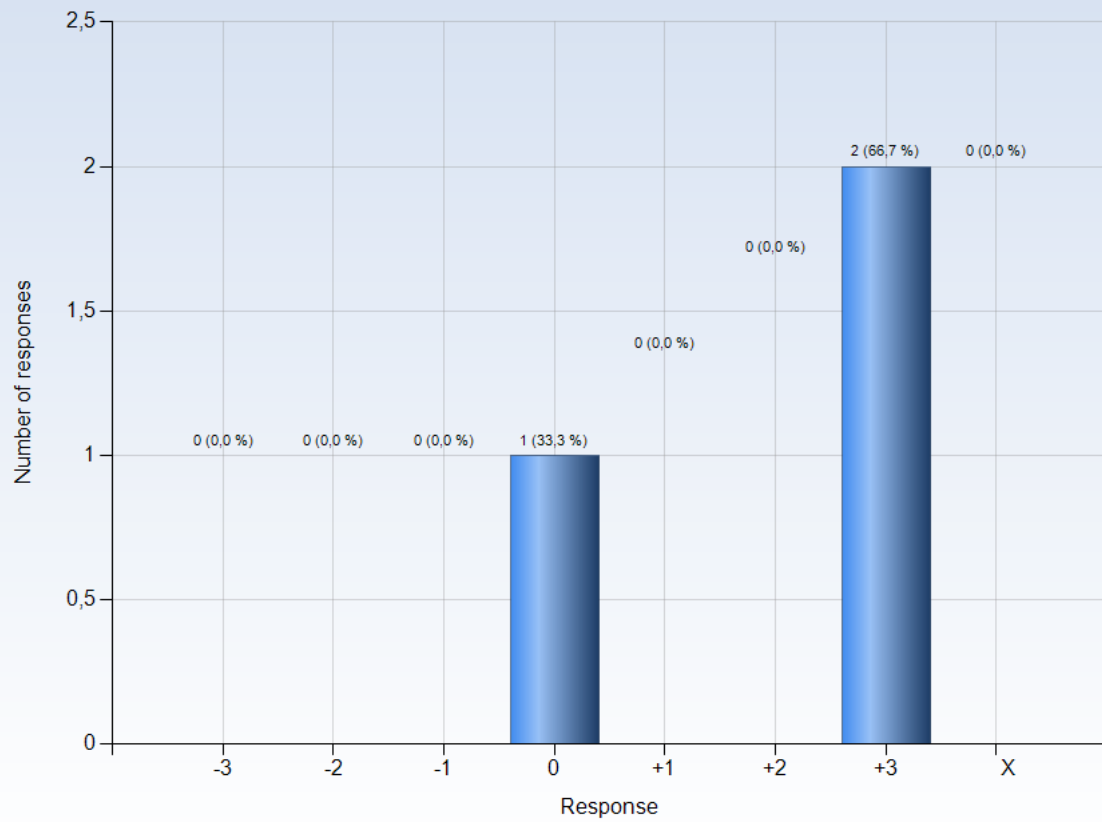
Comments

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



Comments

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

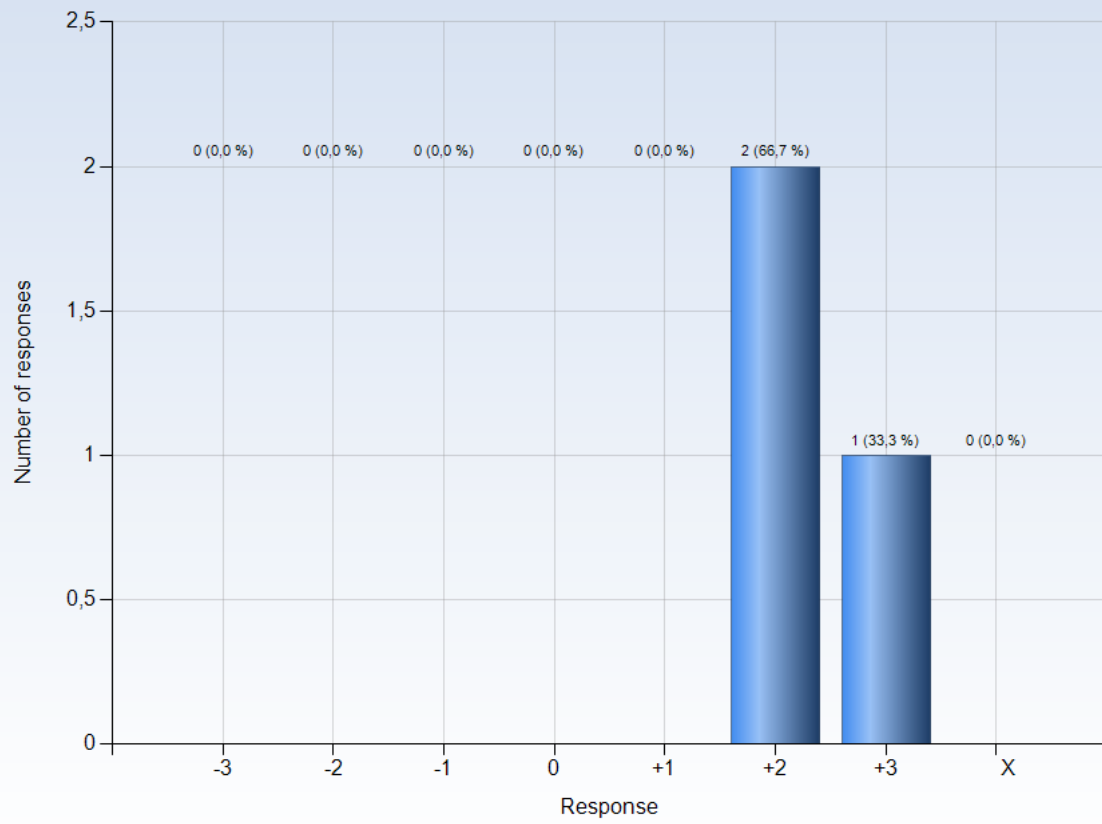


Comments

Comments (My response was: 0)

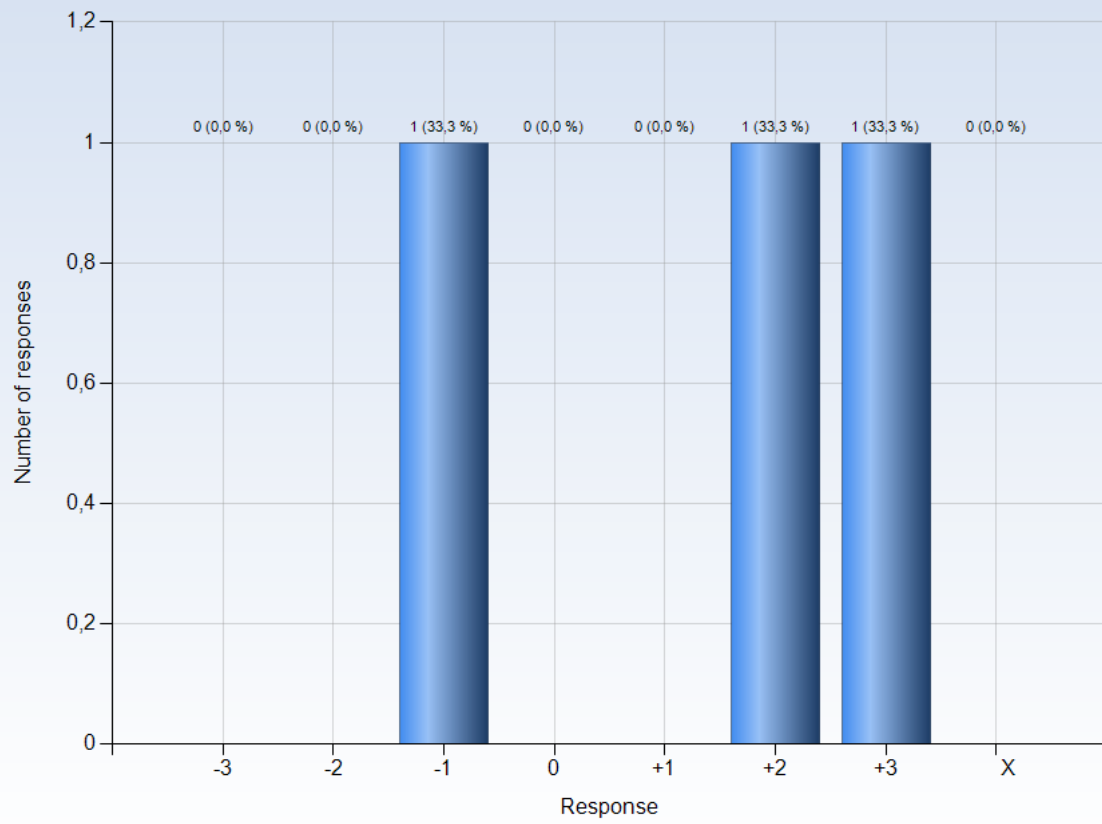
Sjävläring förvisso men lite mer stöd vore bra

9. I understood what the teachers were talking about



Comments

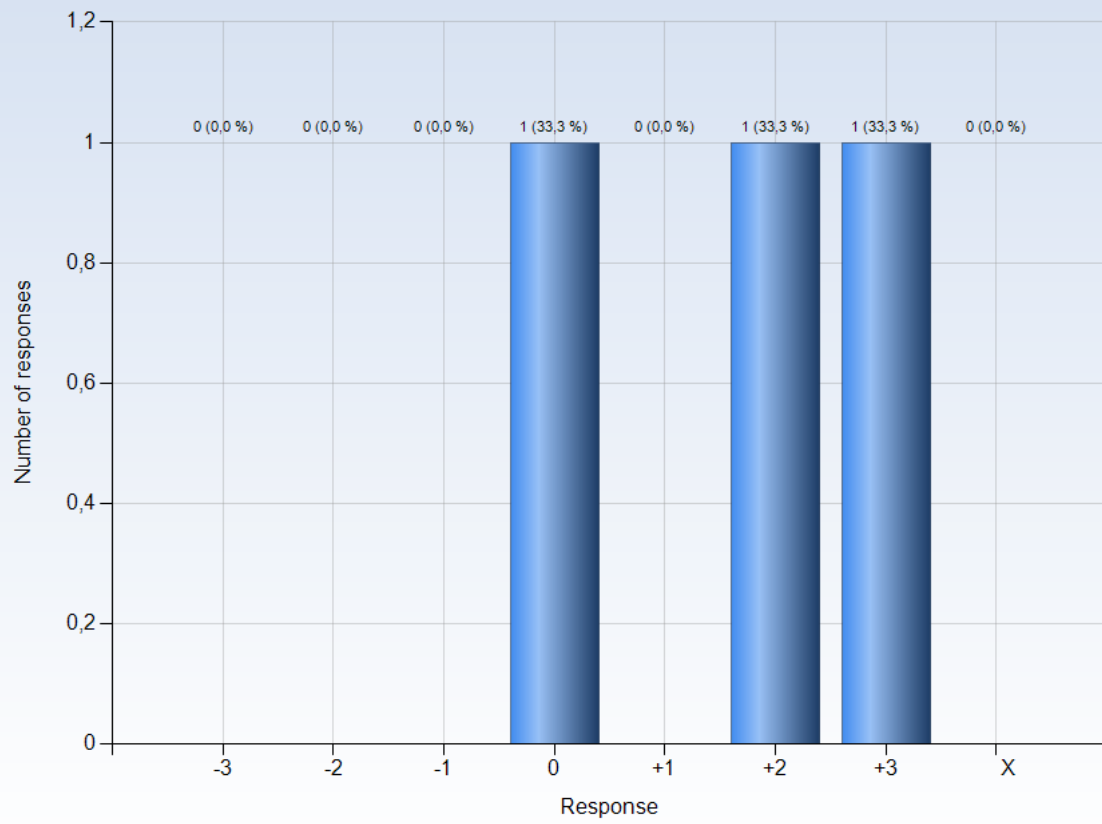
10. I was able to learn from concrete examples that I could relate to



Comments

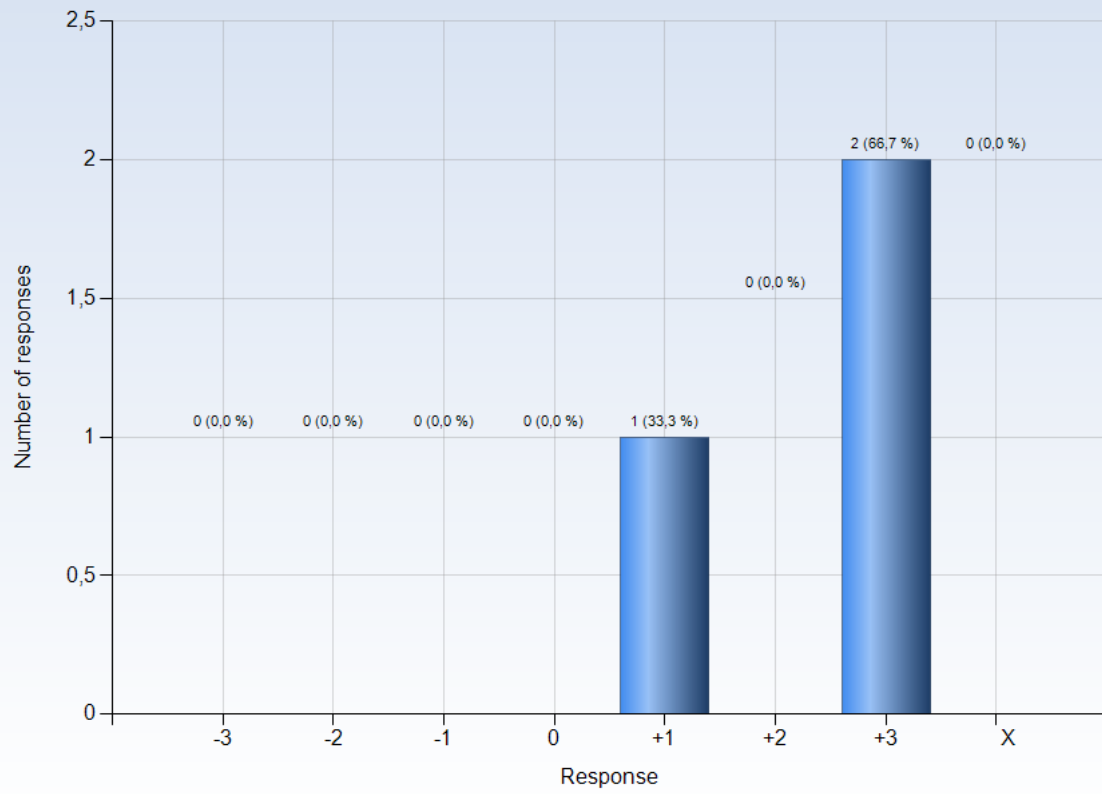
Comments (My response was: -1)
Kursen är fn. för fokuserad på java

11. Understanding of key concepts had high priority



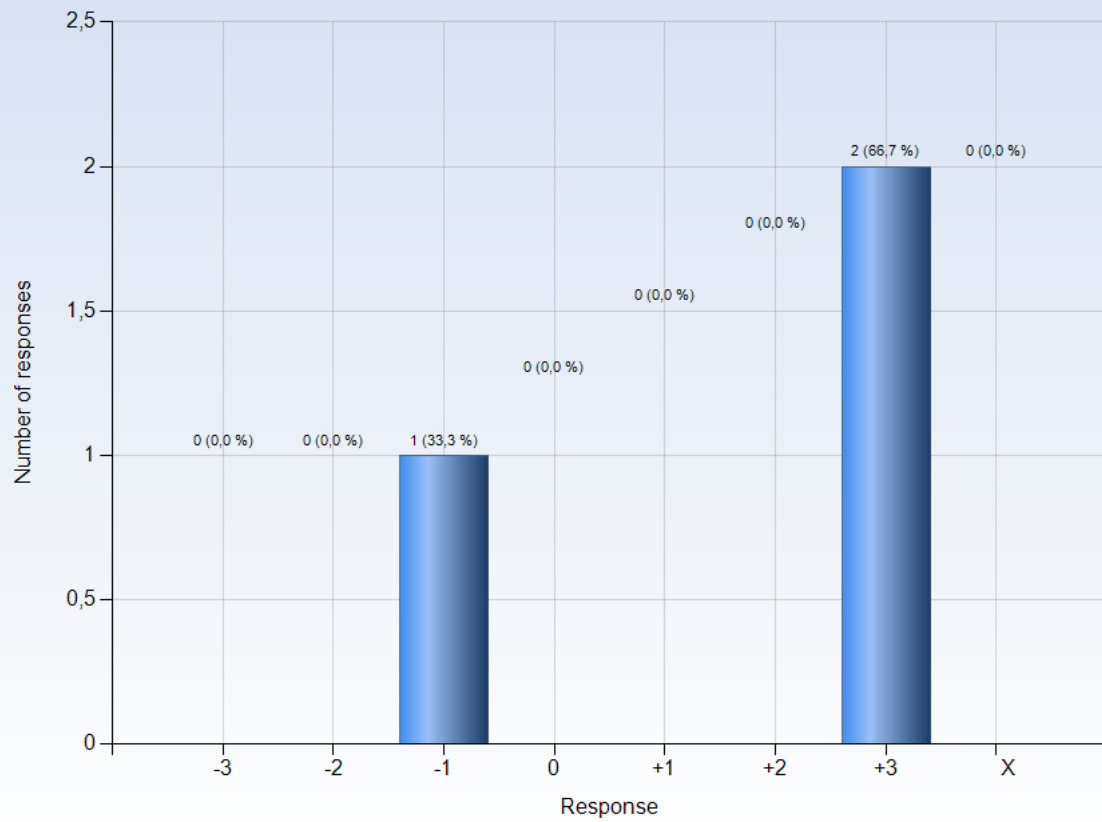
Comments

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

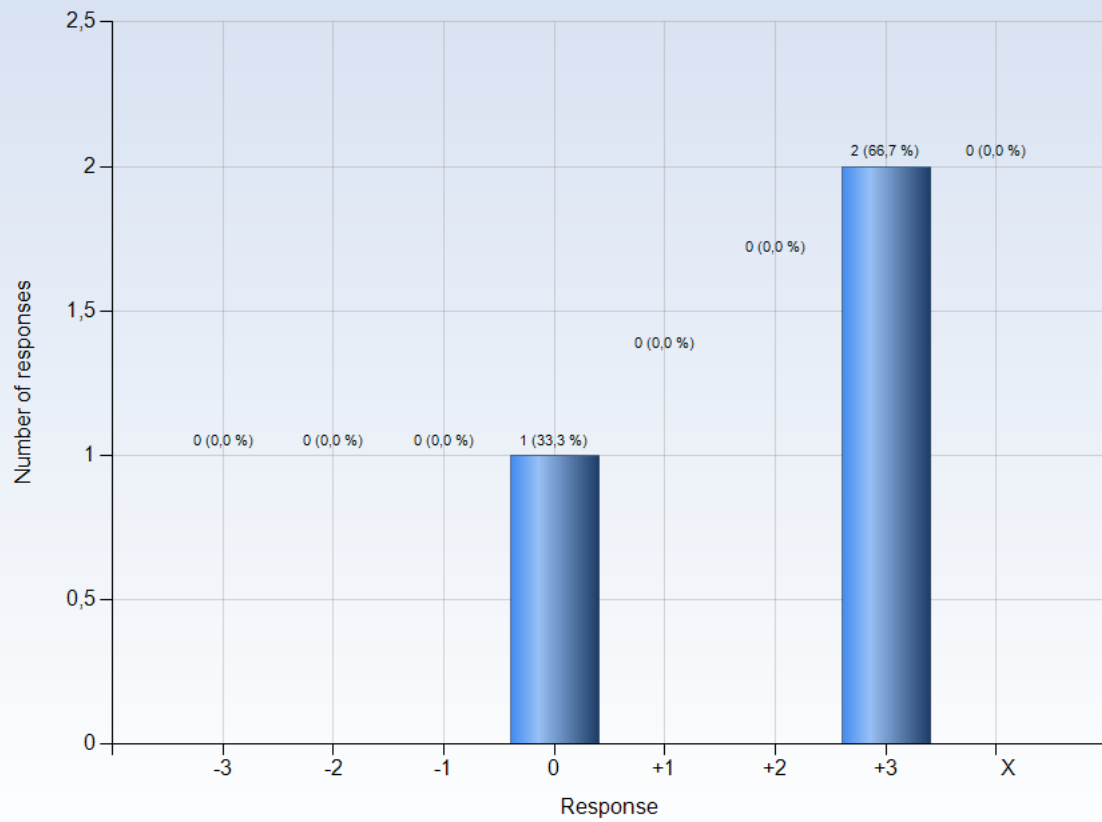


Comments

Comments (My response was: -1)

Vissa uppgifter blev oklara pga deras javafokus

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

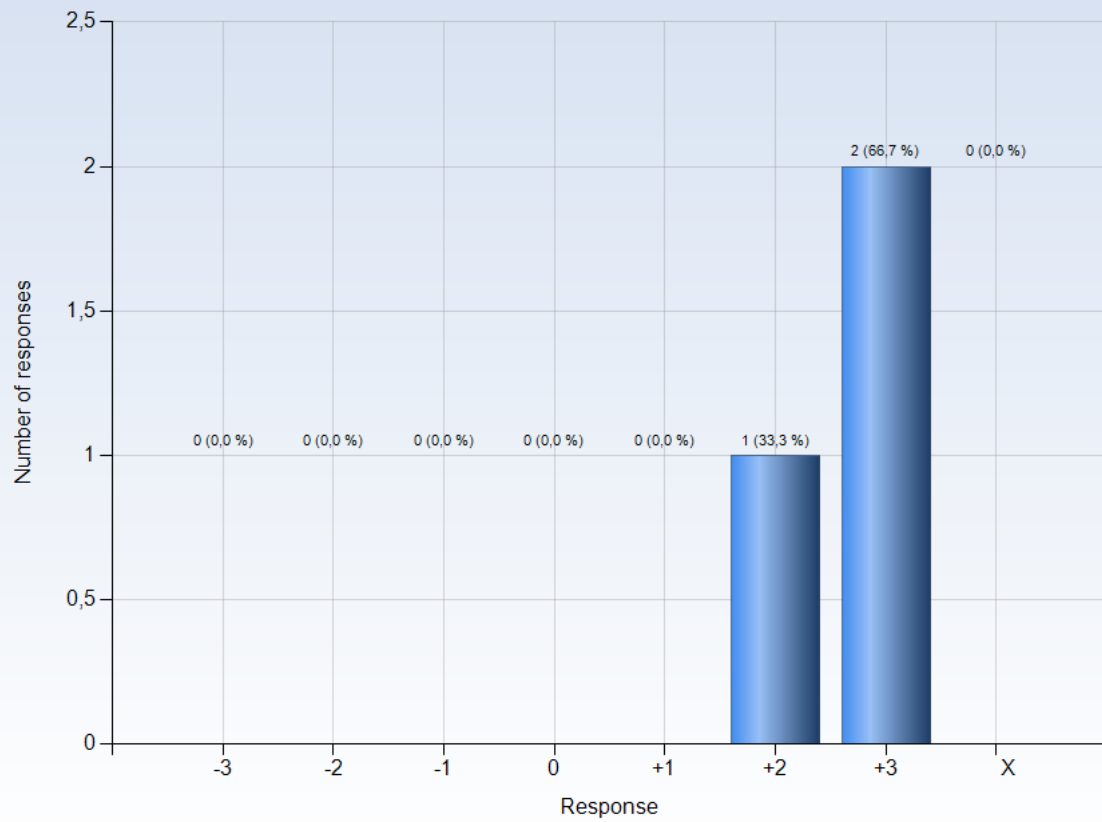


Comments

Comments (My response was: 0)

Redovisningarna finns ju men de är inte riktigt den typen av feedback som kanske vore bra att få

15. I could practice and receive feedback without being graded

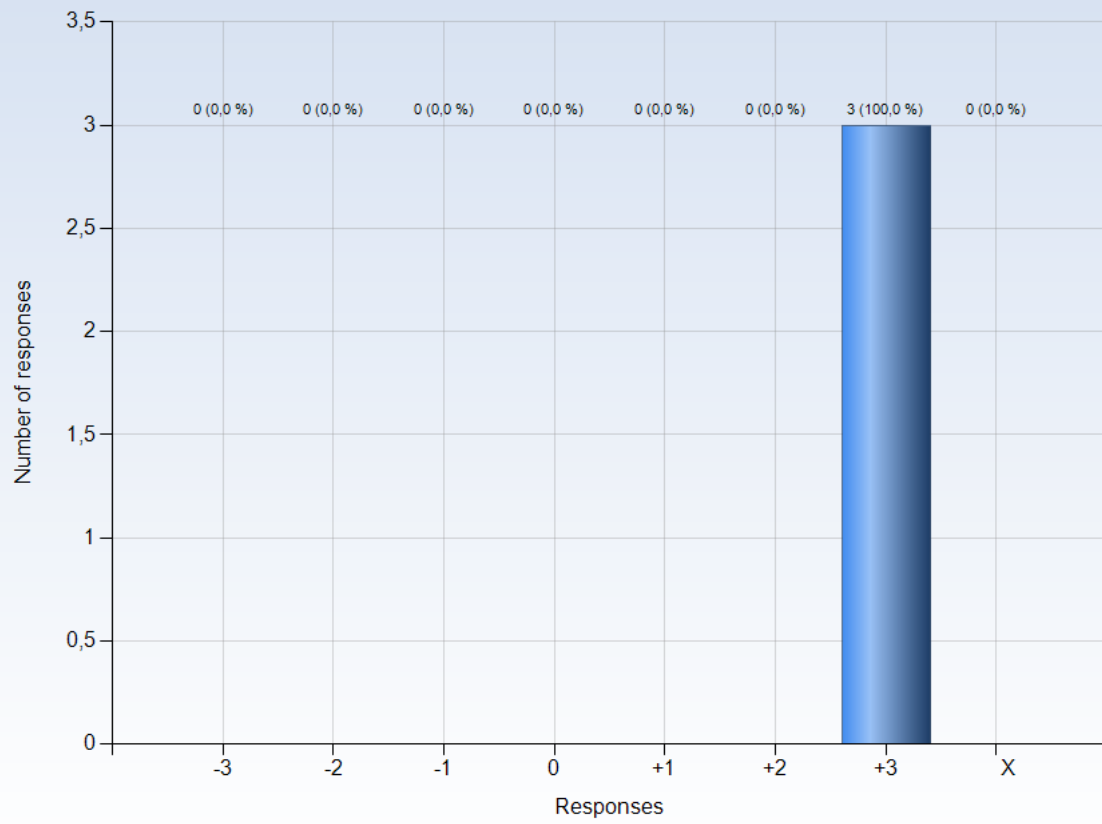


Comments

Comments (My response was: +3)

Redovisningarna funkar bra här men kanske skulle må bra av konkretare deluppgifter

16. The assessment on the course was fair and honest

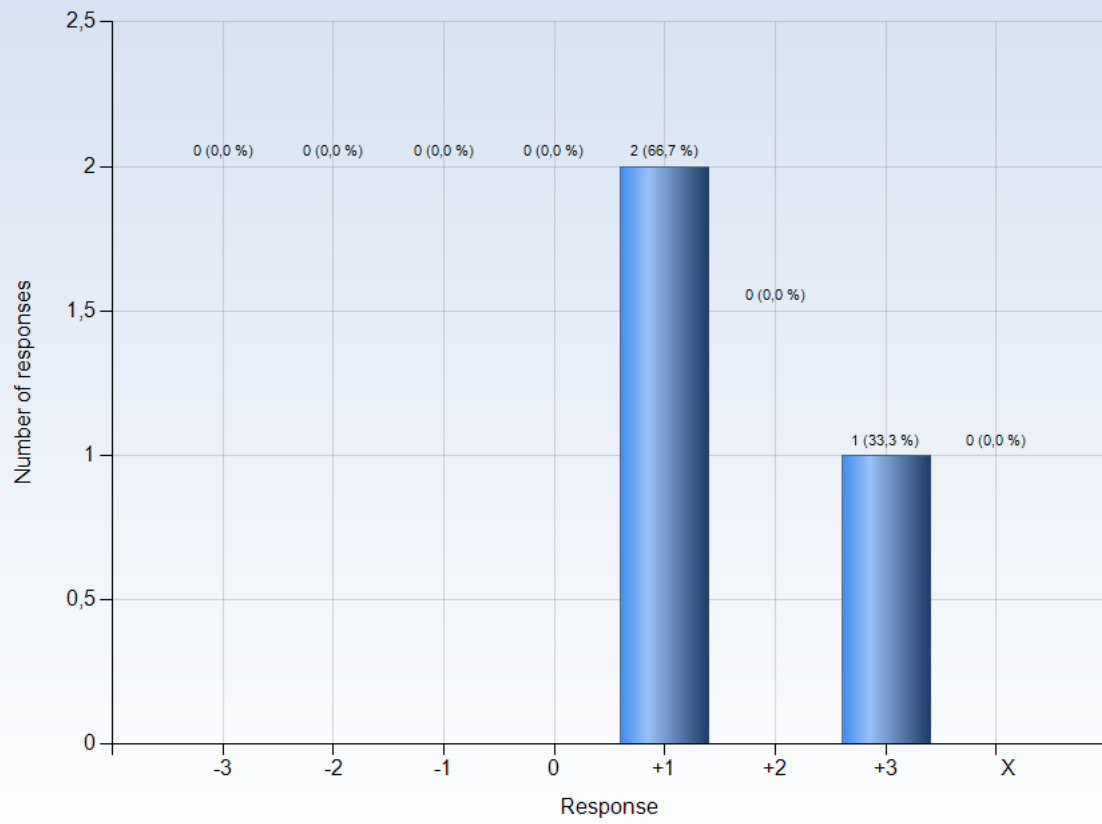


Comments

Comments (My response was: +3)

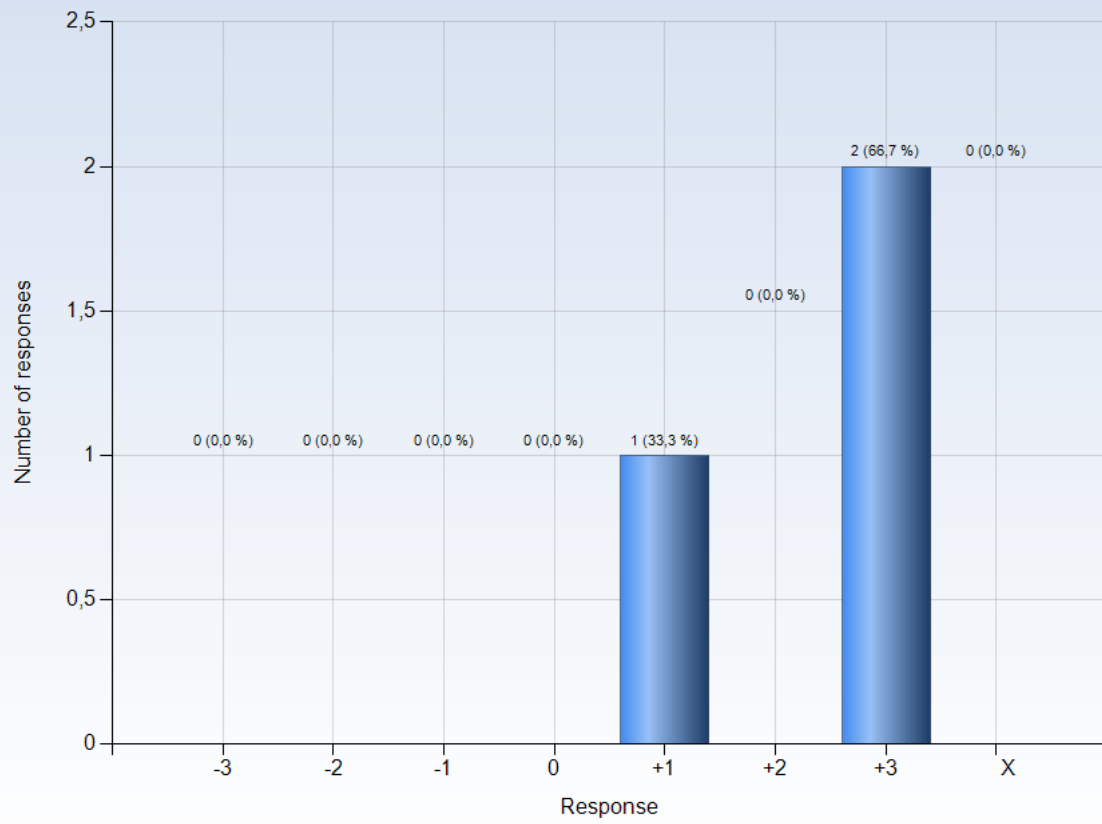
Leif 10/10 good guy

17. My background knowledge was sufficient to follow the course



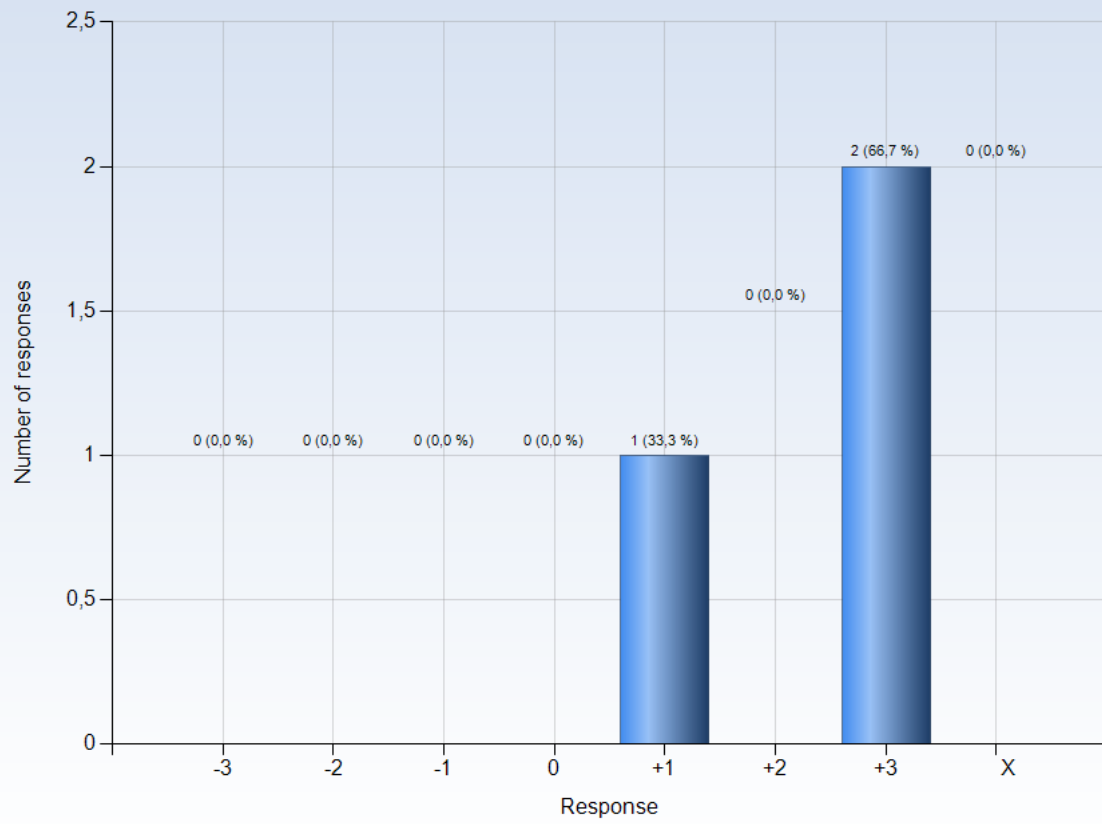
Comments

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



Comments

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

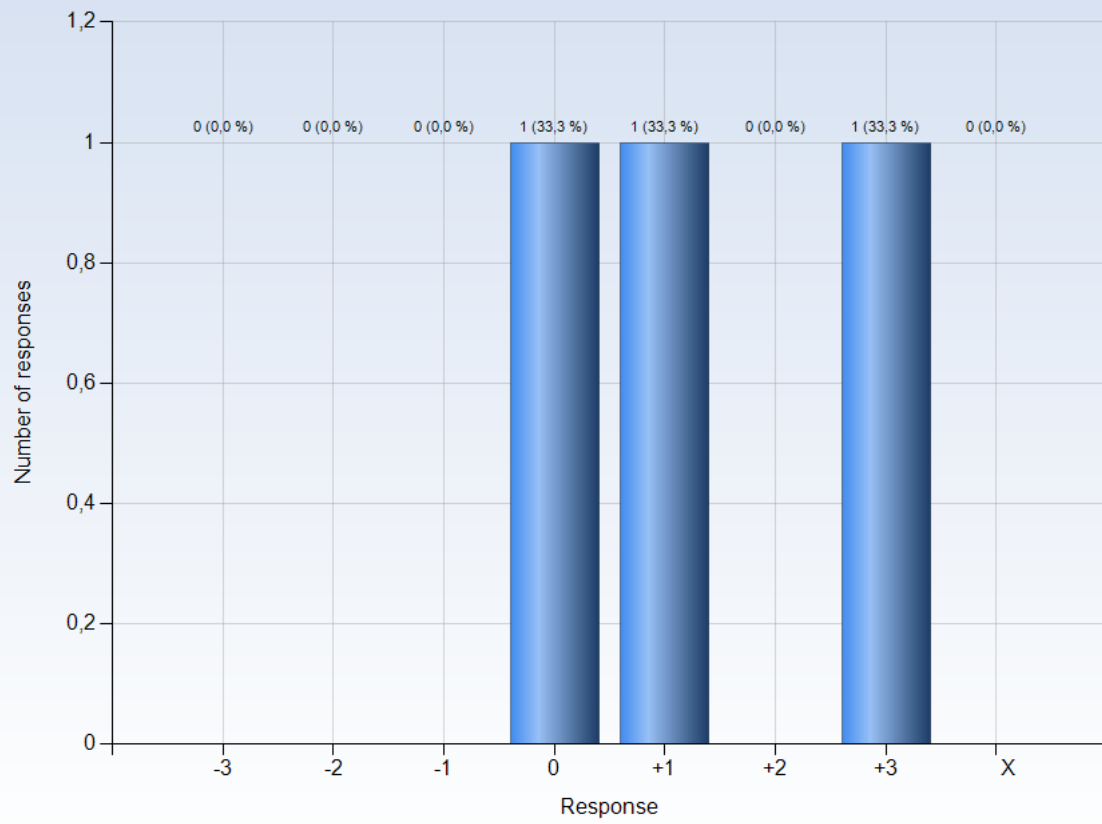


Comments

Comments (My response was: +1)

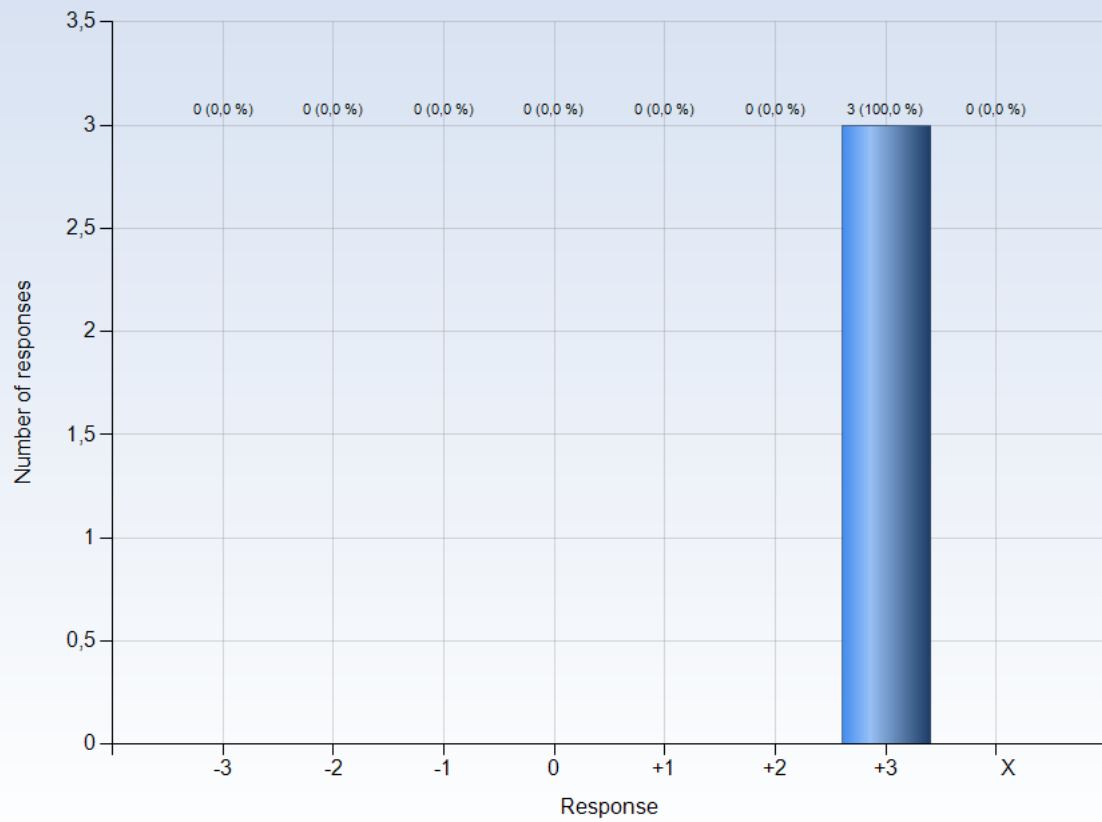
Tio olika sätt att sitta och läsa själv

20. I had opportunities to influence the course activities



Comments

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

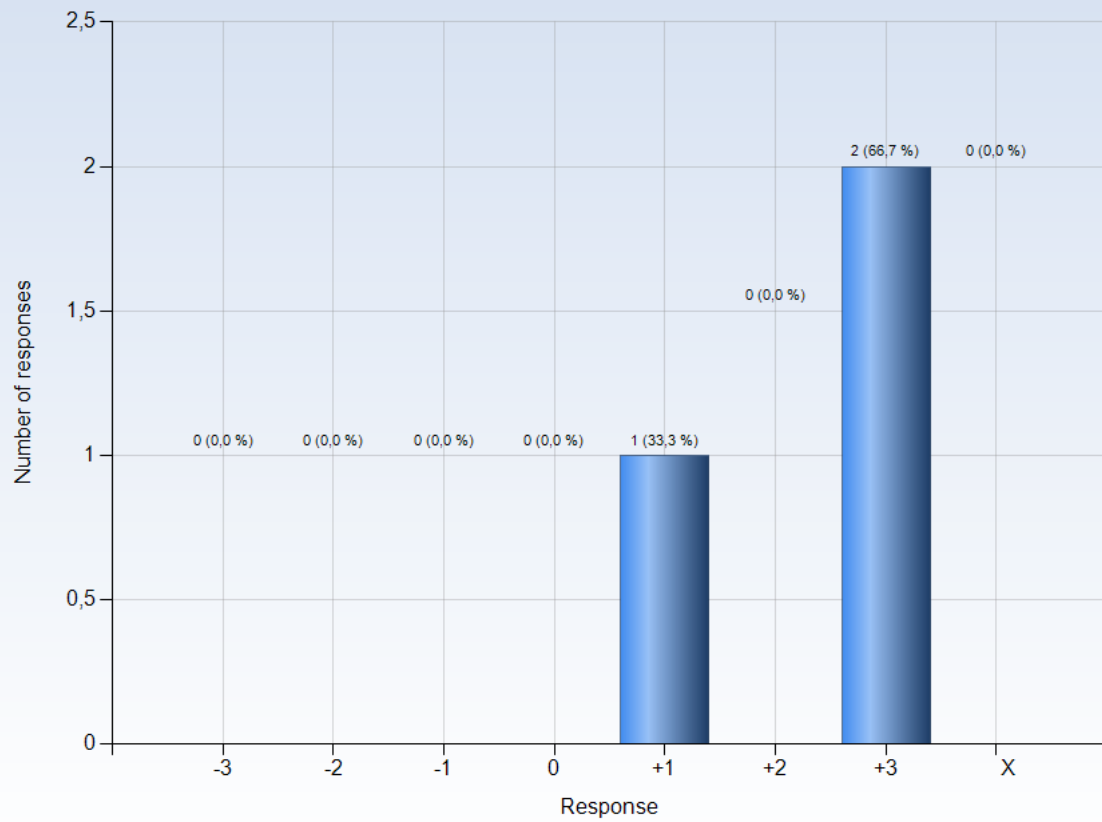


Comments

Comments (My response was: +3)

Egentligen enda sättet man kan arbeta i kursen

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



Comments

Comments (My response was: +1)

En handledning i veckan blir lite lite, men mail funkade rätt bra