

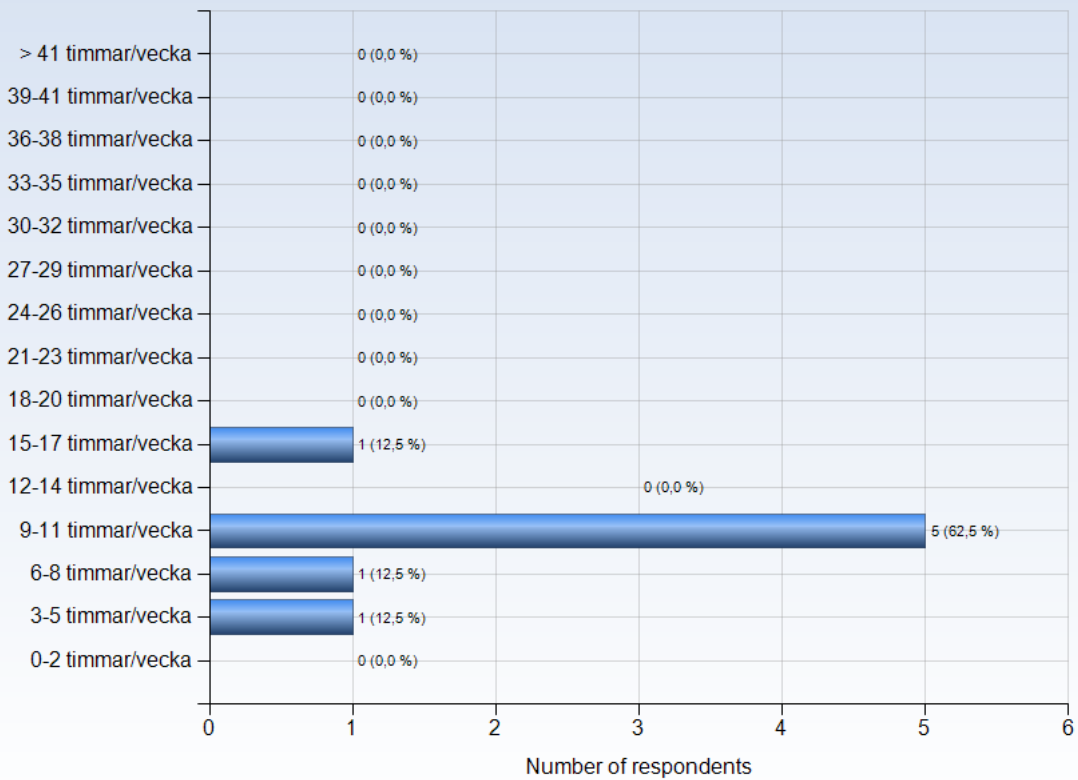


SG1115 - 2021-06-08

Antal respondenter: 39
Antal svar: 9
Svarsfrekvens: 23,08 %

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)

En rimlig arbetsbörda.

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

En hel del uppgifter att göra och många föreläsningar.

Vi hade gott om rekommenderade uppgifter, lämpligt arbetsbelastning.

Jag lade inte alls så mycket tid som jag borde gjort och det känns som att det märks när jag löser uppgifter. Jag hade det svårt i gymnasiefysiken och istället för att lägga mer tid nu så ignorerade jag istället arbetet och fördröjde det så länge jag kunde.



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:

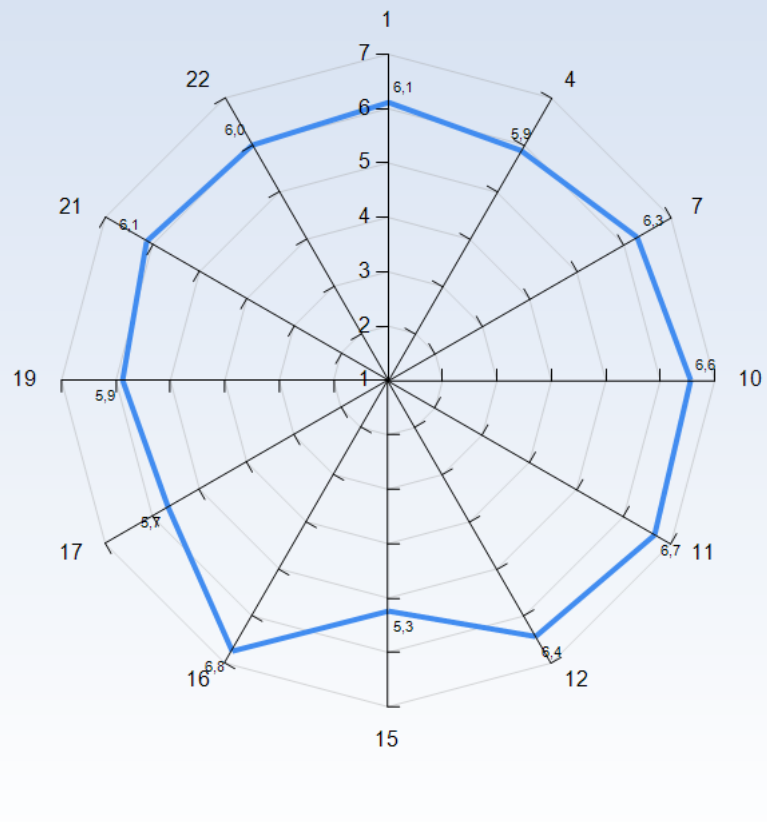
1 = No, I strongly disagree with the statement

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 v3.1.4

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.

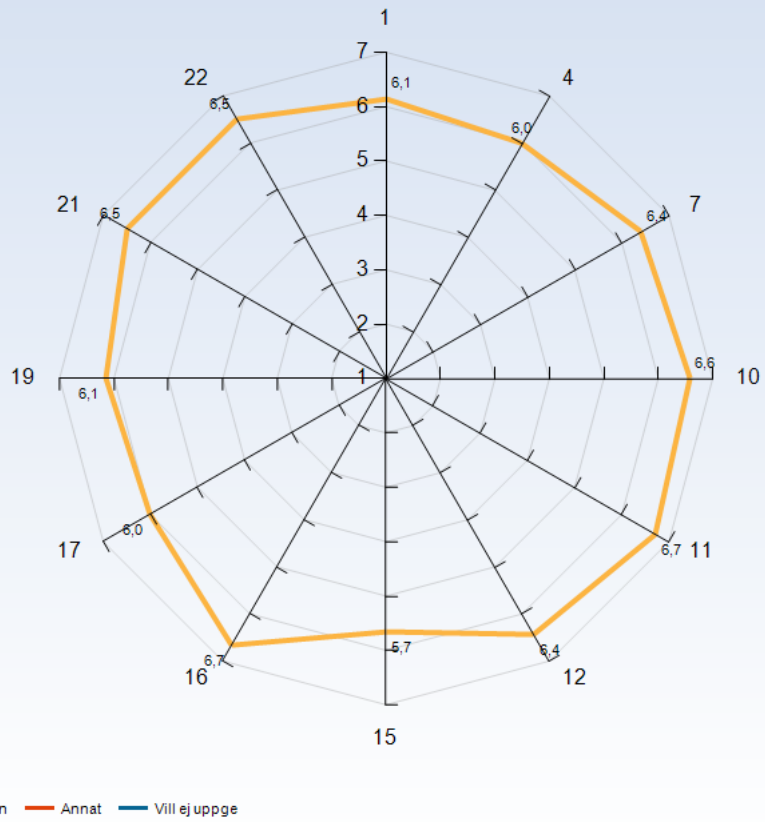
Biggs J. & Tang, C. (2011). *Teaching for Quality Learning at University*, Chapter 6, pp. 95-110. Maidenhead: McGraw Hill.

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.

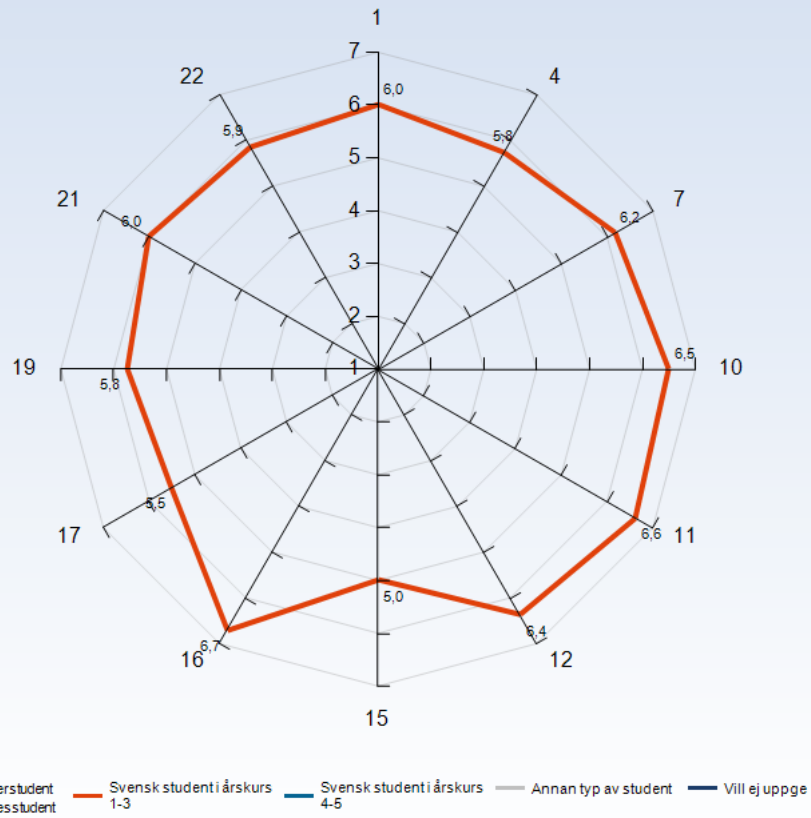
Ramsden, P. (2003). *Learning to Teach in Higher Education*, Chapter 6, pp. 84-105. New York: RoutledgeFalmer.

Average response to LEQ statements - per gender



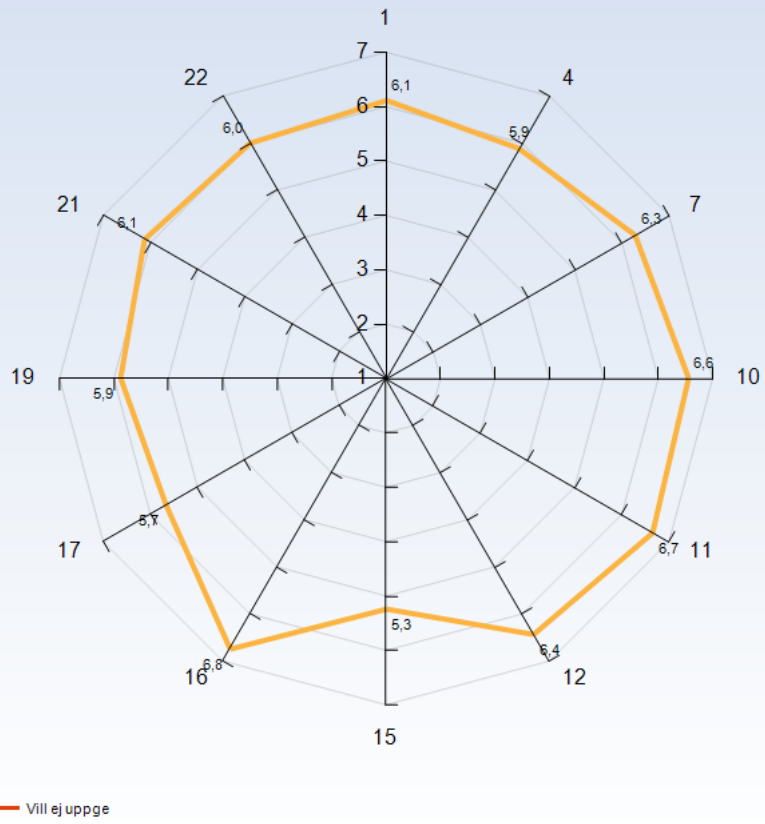
Comments

Average response to LEQ statements - per type of student



Comments

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: 9-11 timmar/vecka)

Projektet var roligt och inlämningsuppgifterna hjälpte mycket till tentan.

Tydligheten. Kursen hade en tydlig struktur och läraren hjälpte mycket att strukturera problemlösningen så att det blev lättare för mig som inte har en känsla för fysik men kan relatera till klarhet.

Bra upplägg, bra kurslitteratur. KS, inlämningar och projekt gjorde att man var förberedd för tentan innan man började tentaplugga.

Jag tyckte väldigt mycket om det faktum att man kunde skriva KS:arna och det kunde "ersätta" TEN1. Det gjorde det mer hanterbart med problemlösningstentan för min del då jag kunde fokusera på en sak i taget.

Kursens upplägg var väldigt bra eftersom grunden som mycket byggde på kom tidigt så att det efter gick att förstå och man fick träna mycket på det mest centrala.

Jag uppskattade verkligen de workshops som vi hade i projektets inledning där man fick diskutera uppgiften med både personer från den egna gruppen samt från andra grupper. Efter dessa diskussioner kändes det mycket klarare hur vi skulle ta oss an uppgiften.

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

Projekt delen var roligt och givande för inlämningen.

What would you suggest to improve?

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

Projektet kunde ha varit mer komplicerat: svårighetsgraden för mitt projekt var jämförbar med en mer komplicerad uppgift i en av inlämningarna. På tal om inlämningsuppgifter var de bra för att få en att sitta ner och jobba igenom materialet ordentligt, men de var väldigt långa, så tid skulle kunna tas från dem och läggas, exempelvis, på ett mer komplicerat projekt.

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

Ugis skrivandet :

Om det går så tror jag att lite mer om statik skulle kunna vara bra för kursen, då jag hade svårt att hänga med helt och det tog ett tag innan jag kände att jag förstod vad som hände överhuvudtaget.

Det hade varit bra om föreläsninganteckningarna lades upp på canvas eftersom de inspelade videorna är svåra att se om man har dåligt internet.

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

Övningarna skulle kunna vara fysiska.

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)

Gör så många övningsuppgifter som möjligt, och se till att få ett ok resultat på KS:arna.

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

Räkna alla tal och lär dig hela kursen. Fysiken är lätt om man kan kursen och tillämpningar är alltid samma.

Att verkligen läsa kurslitteraturen och göra uppgifterna eftersom allt förklaras väldigt bra och man lär sig mycket av att göra uppgifterna.

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

Arbeta med uppgifter.

Is there anything else you would like to add?

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

Nej.

SPECIFIC QUESTIONS



RESPONSE DATA

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

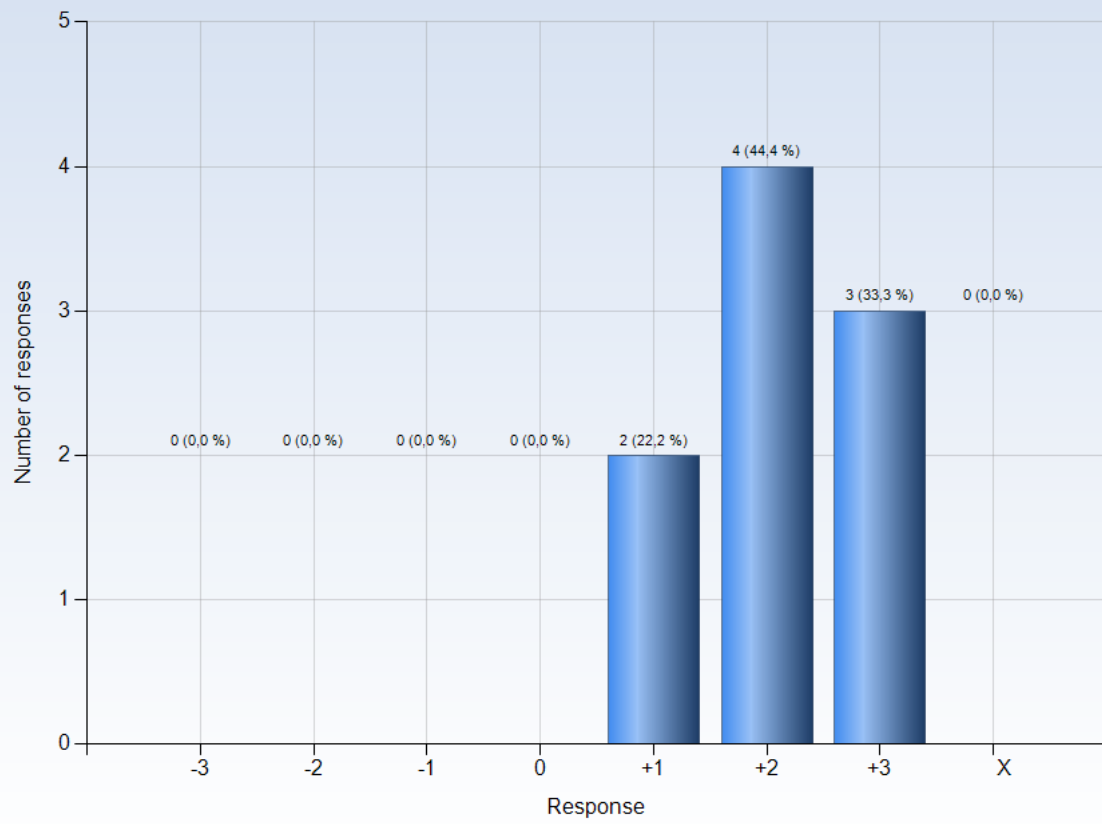
-3 = No, I strongly disagree with the statement

0 = I am neutral to the statement

+3 = Yes, I strongly agree with the statement

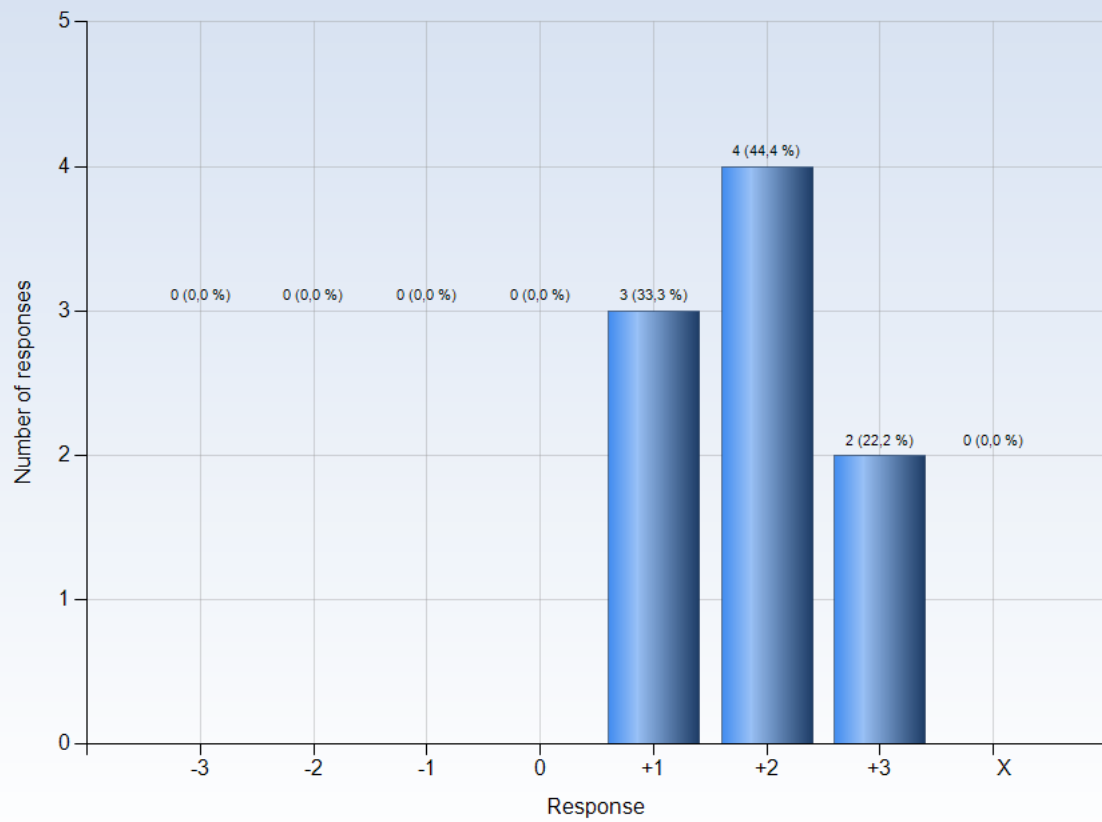
X = I decline to take a position on the statement

1. I worked with interesting issues



Comments

4. The course was challenging in a stimulating way



Comments

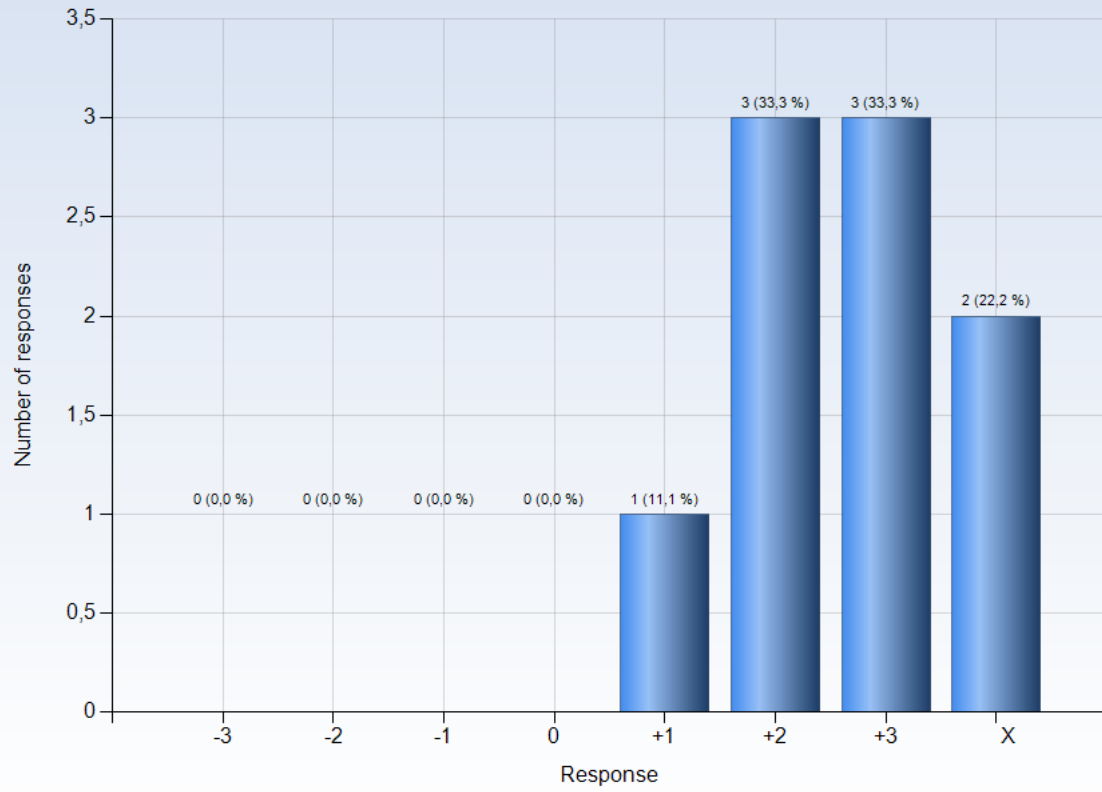
Comments (My response was: +1)

Det var överväldigande ibland pga av mina bristande kunskaper.

Comments (My response was: +3)

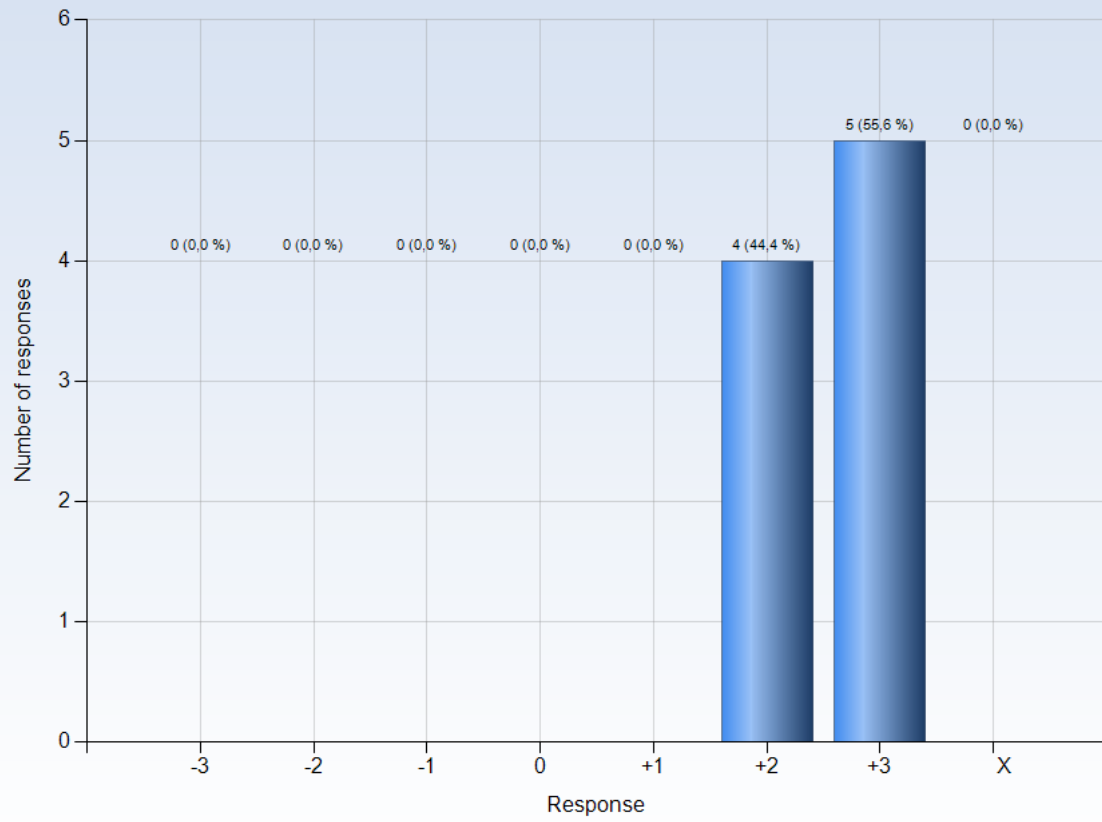
Nya fysiska modeller men också många övningar för att behärska ämnet.

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



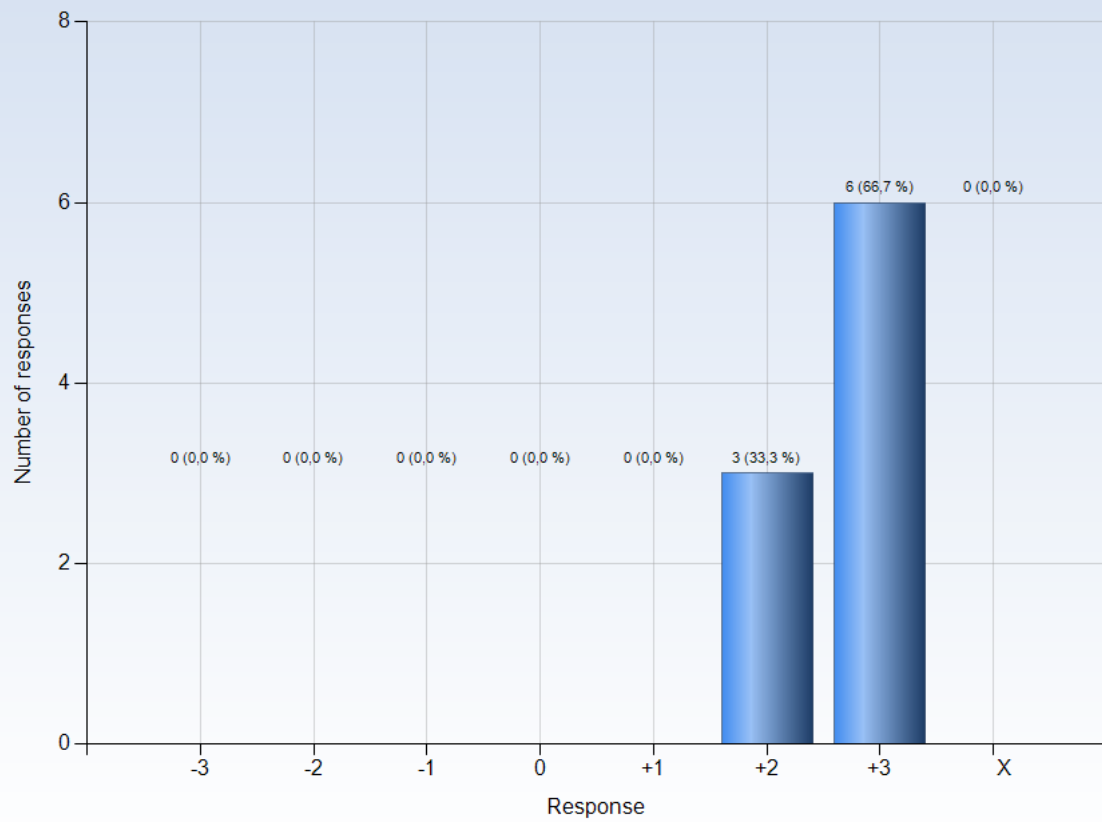
Comments

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



Comments

11. Understanding of key concepts had high priority

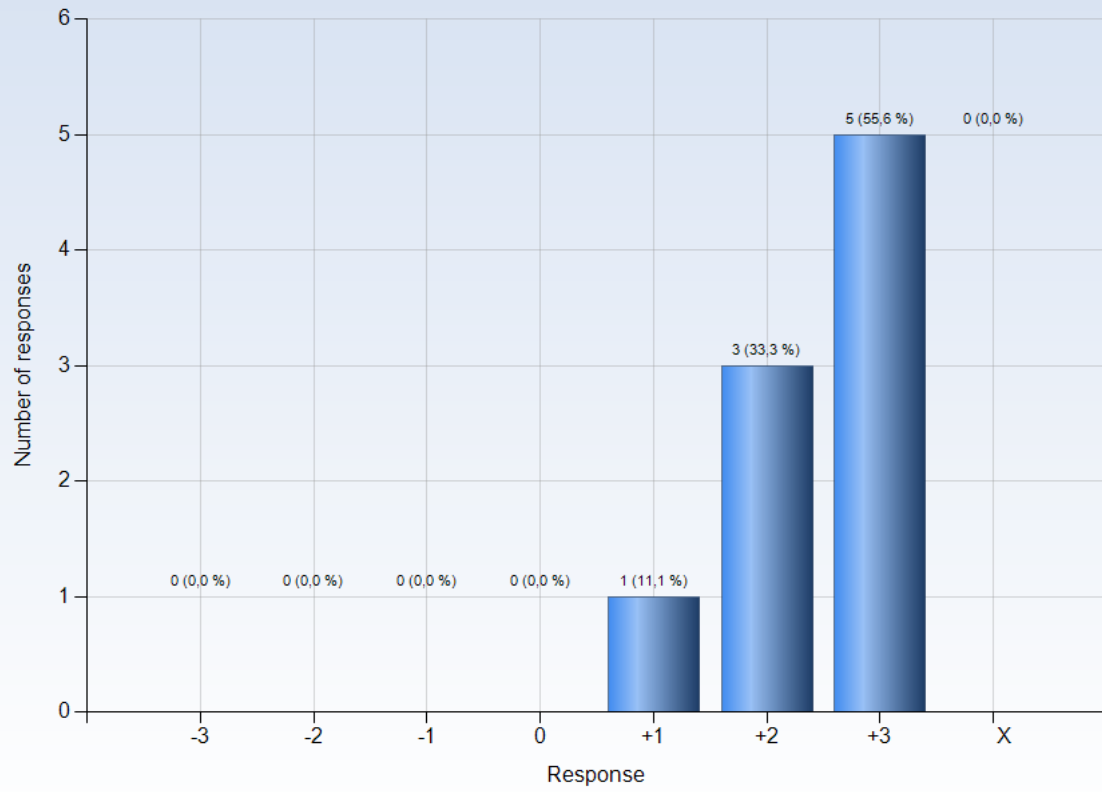


Comments

Comments (My response was: +3)

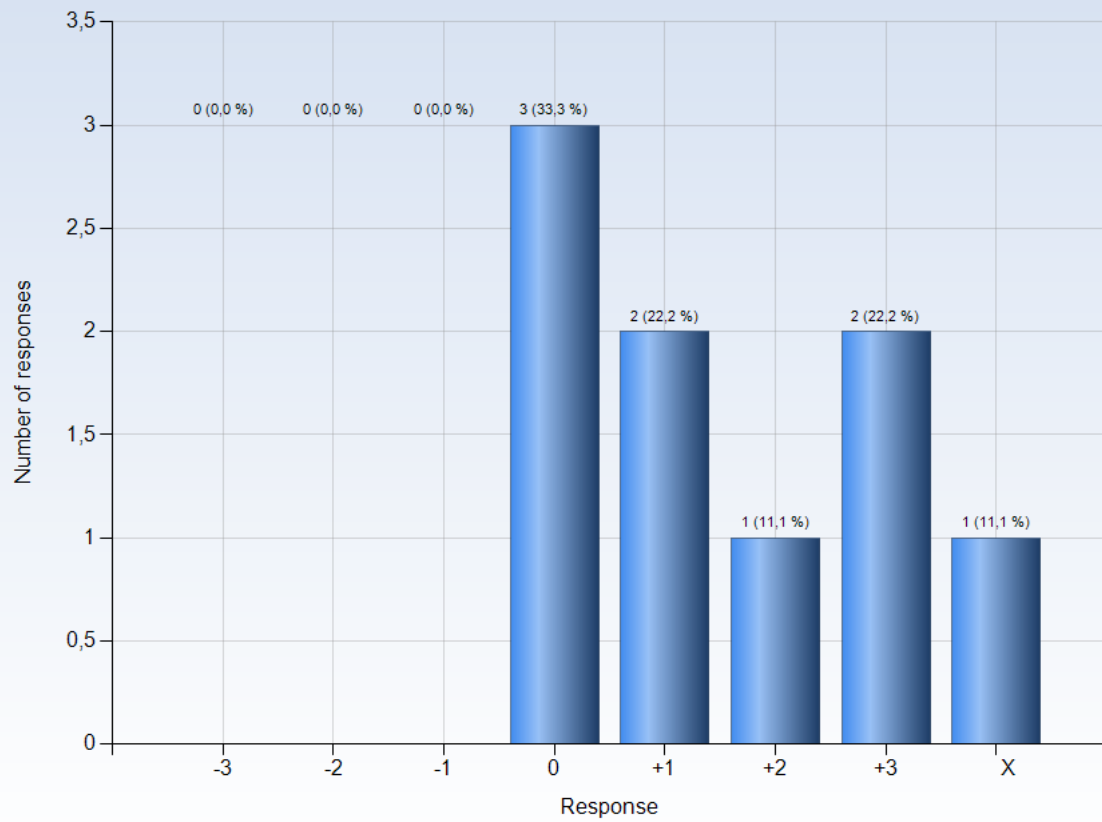
Bra att vi måste kunna herläda hela kursen

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



Comments

15. I was able to practice and receive feedback without being graded

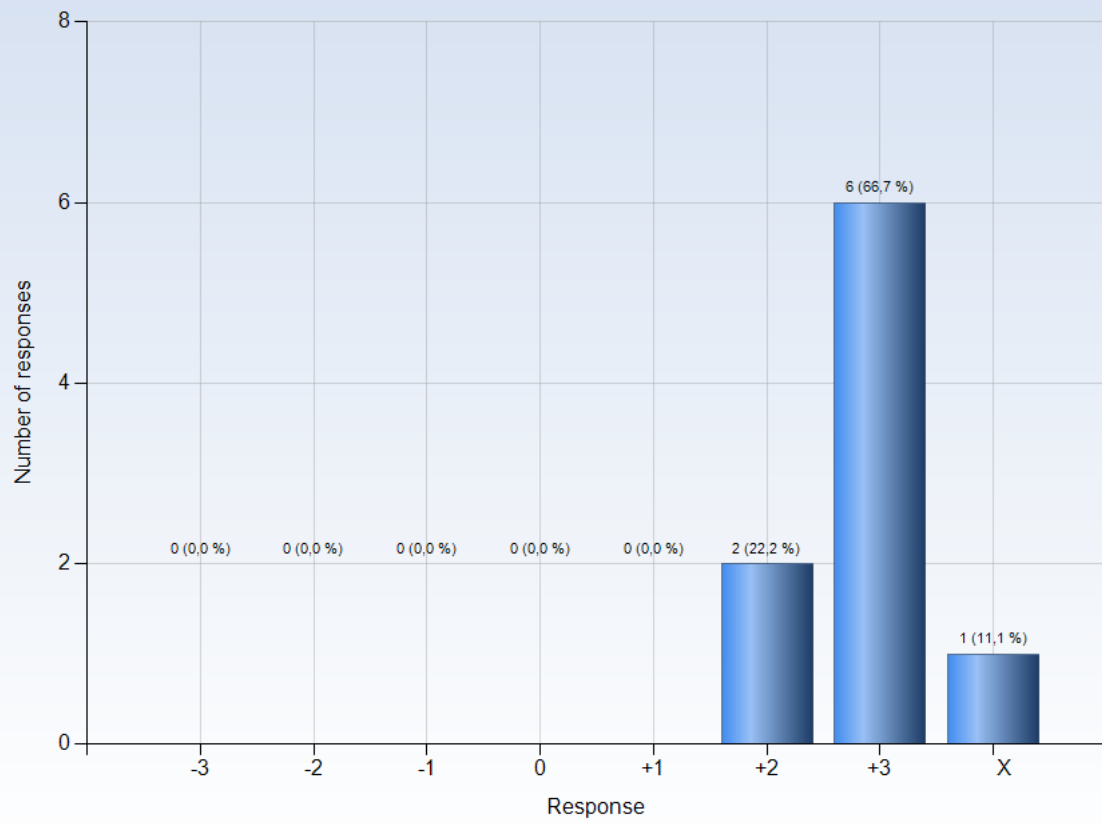


Comments

Comments (My response was: 0)

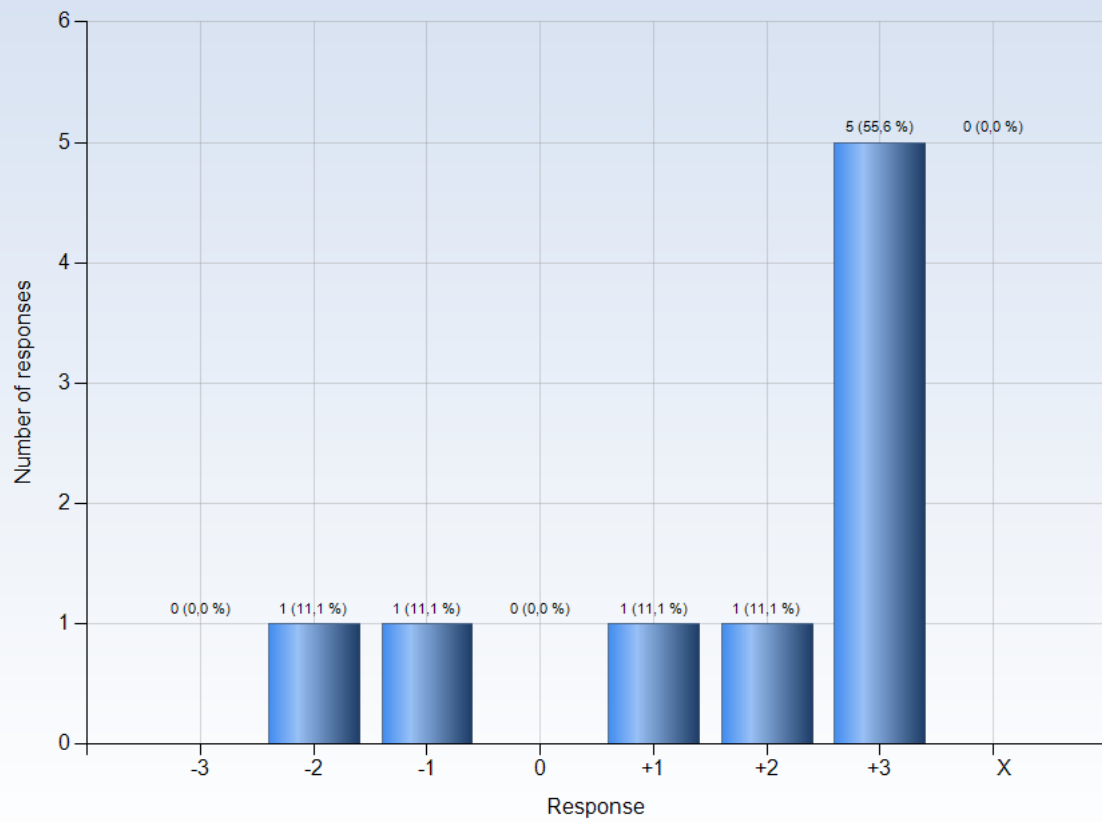
Detta är något som jag tror är lättare att få om övningar hålls på campus. Annars tar jag inte initiativet för att få nån feedback utan att bedömning.

16. The assessment on the course was fair and honest



Comments

17. My background knowledge was sufficient to follow the course

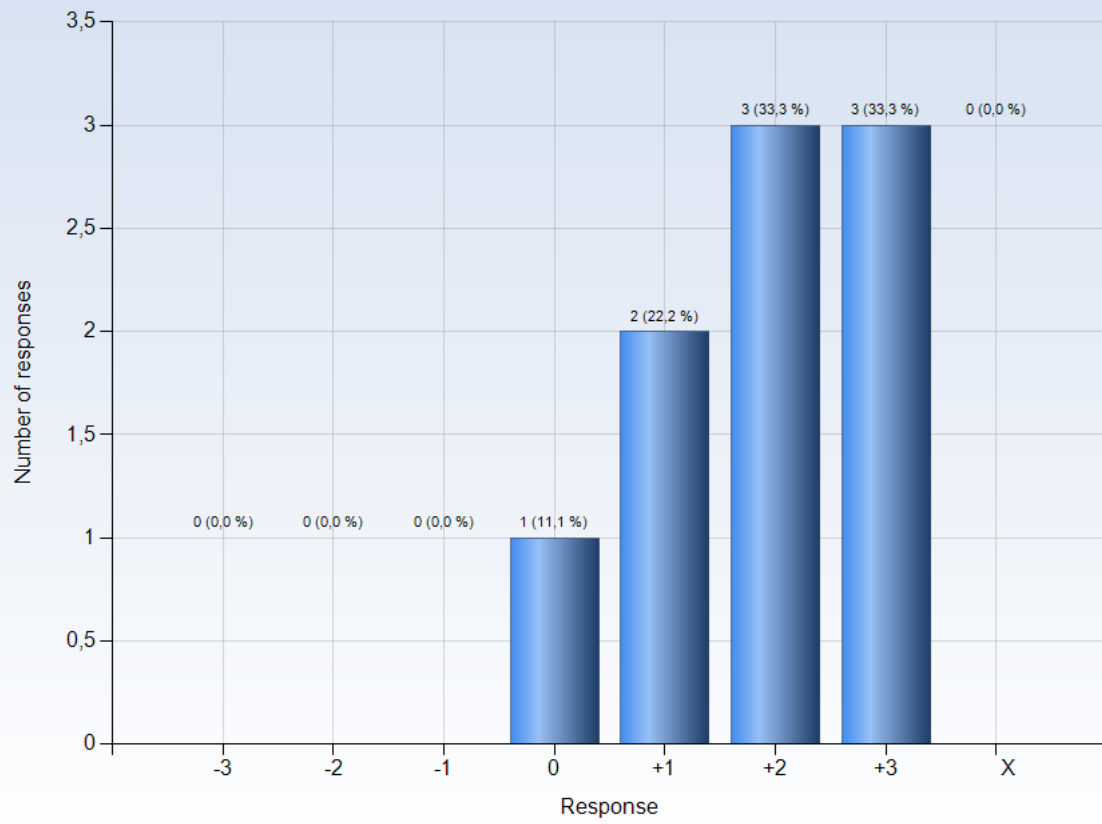


Comments

Comments (My response was: -2)

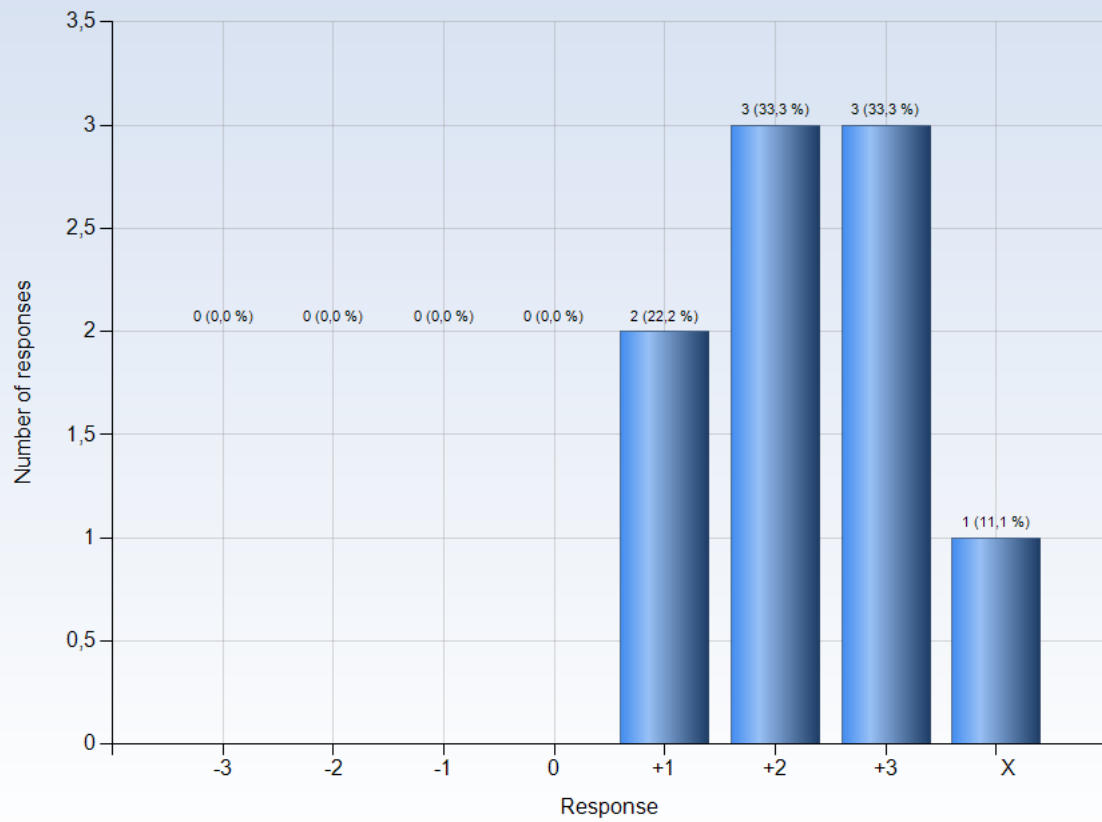
Min gymnasielärare brydde sig ingenting och jag har därför väldigt dålig koll på fysik, trots att jag fick högsta betyg i gymnasiet.

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



Comments

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

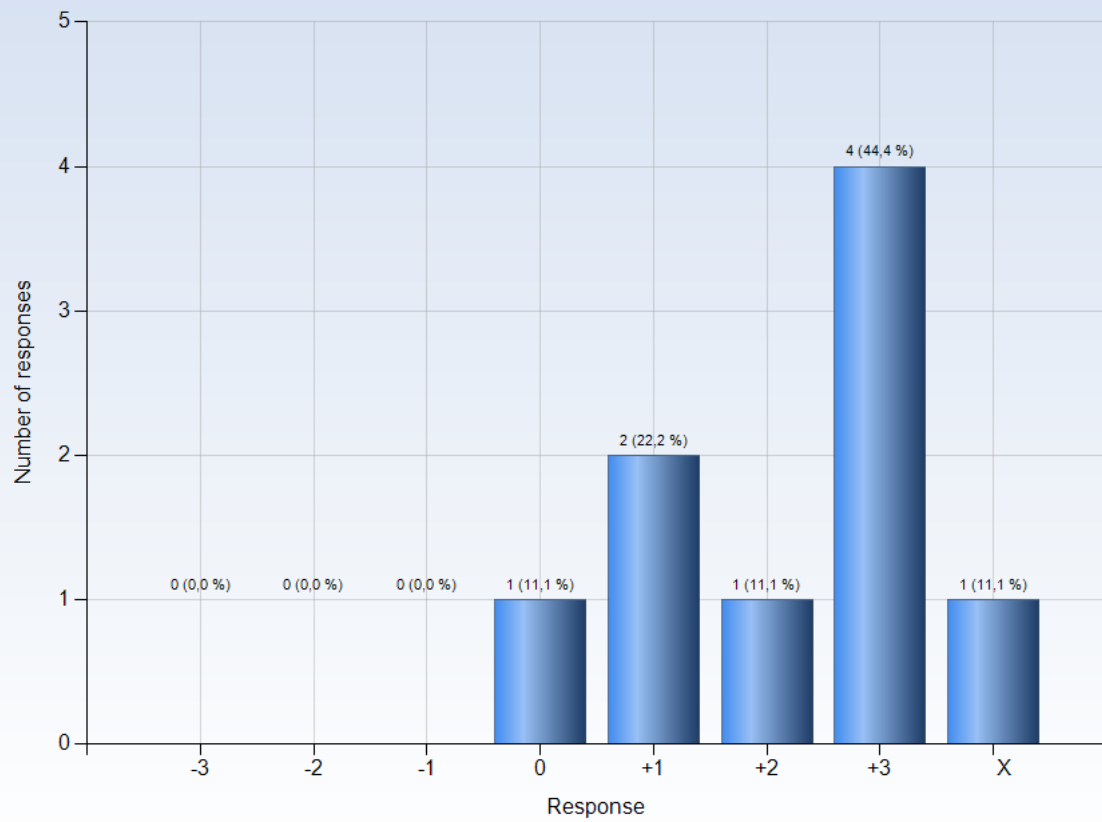


Comments

Comments (My response was: +1)

Jag tycker detta har varit svårt under pandemin.

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



Comments

Comments (My response was: 0)
Jag sökte aldrig riktigt något stöd.