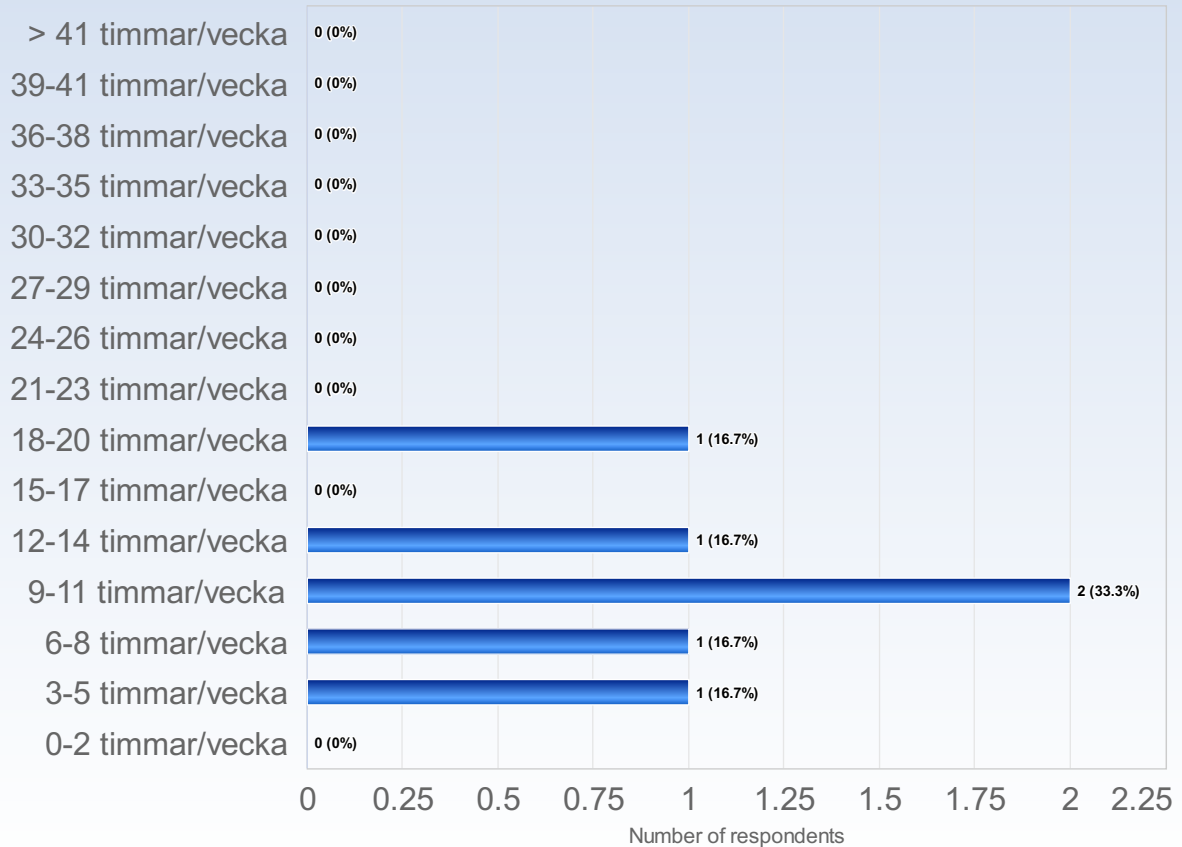


MH2100 - 2022-01-18

Antal respondenter: 20
Antal svar: 6
Svarsfrekvens: 30,00 %

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)

The course requires constant reading and studying since there is a lot of content that has to be reviewed
This a good and comprehensive course.

LEARNING EXPERIENCE

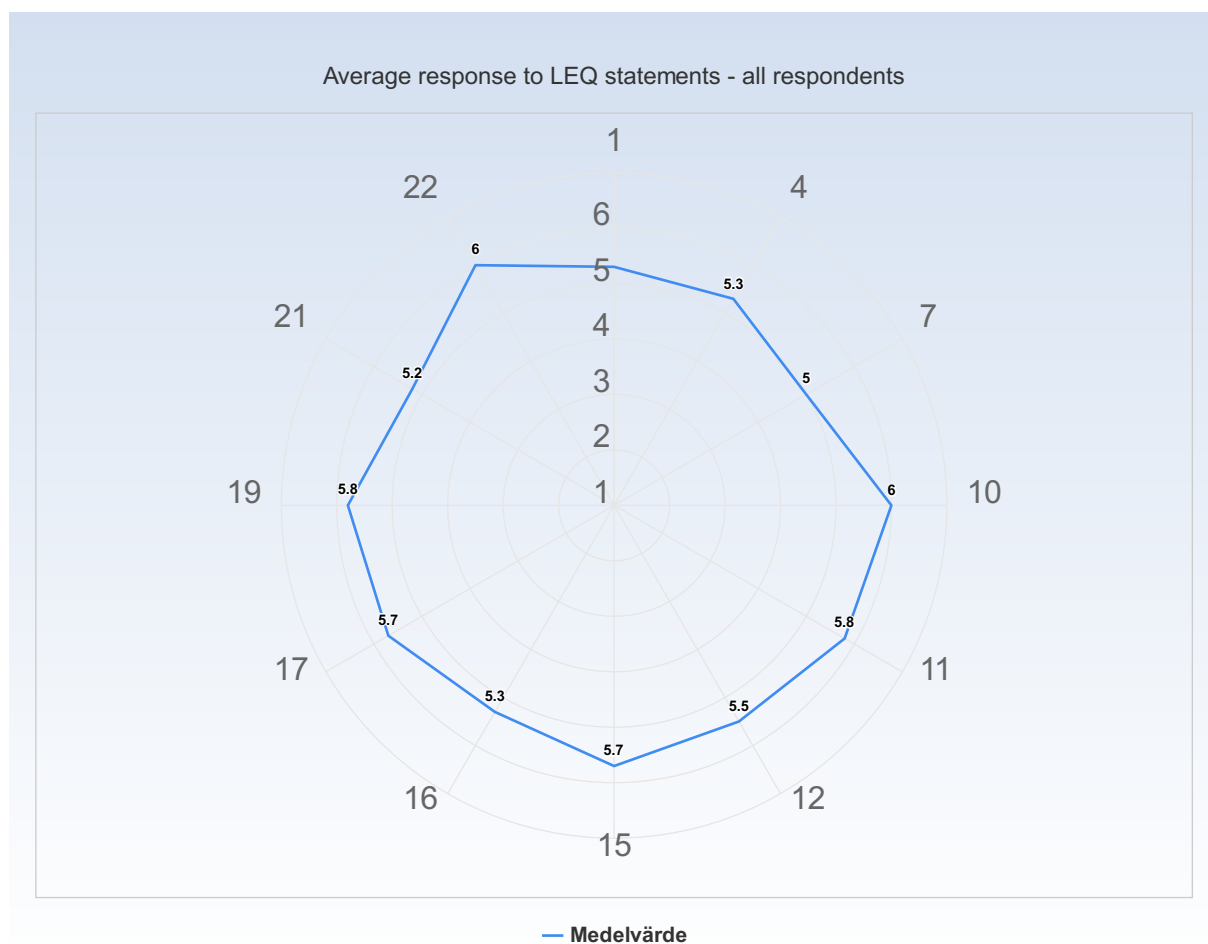
The polar diagrams below show the average response to the LEQ statements for different groups of respondents (only valid responses are included). The scale that is used in the diagrams is defined by:

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.



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.

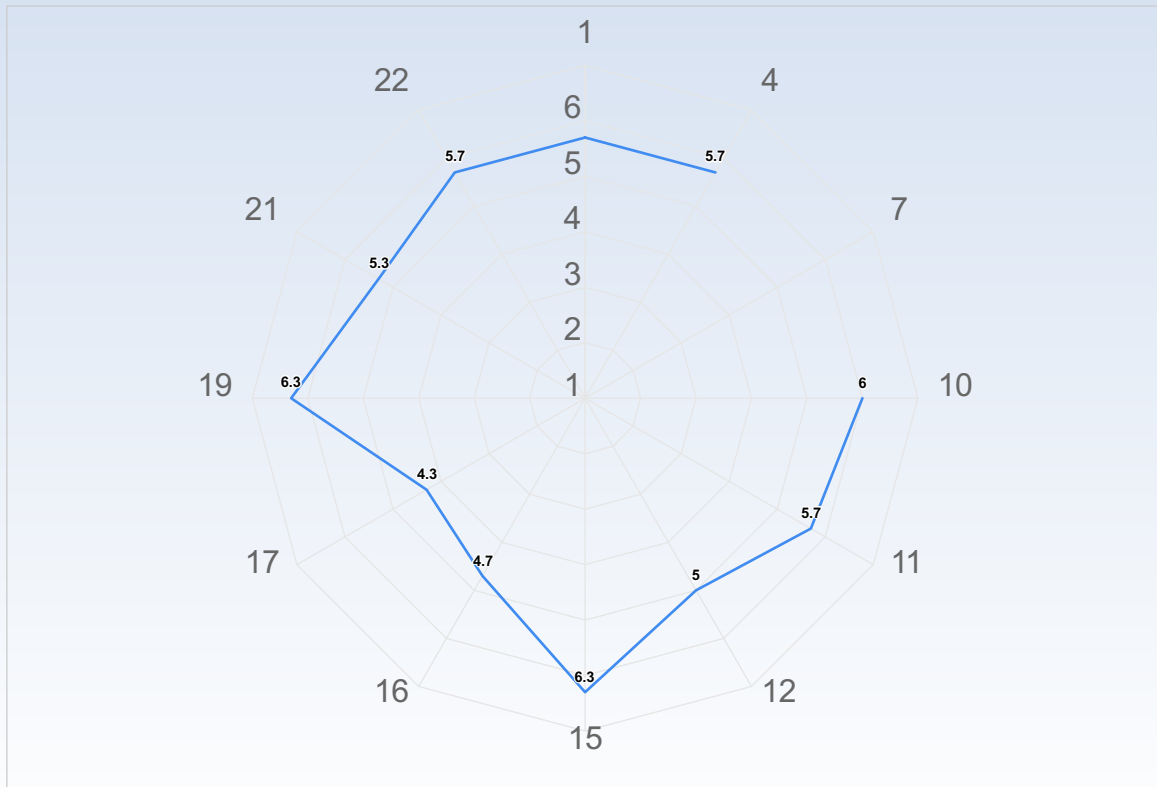
Biggs J. & Tang, C. (2011). *Teaching for Quality Learning at University*, Chapter 6, pp. 95-110. Maidenhead: McGraw Hill.

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



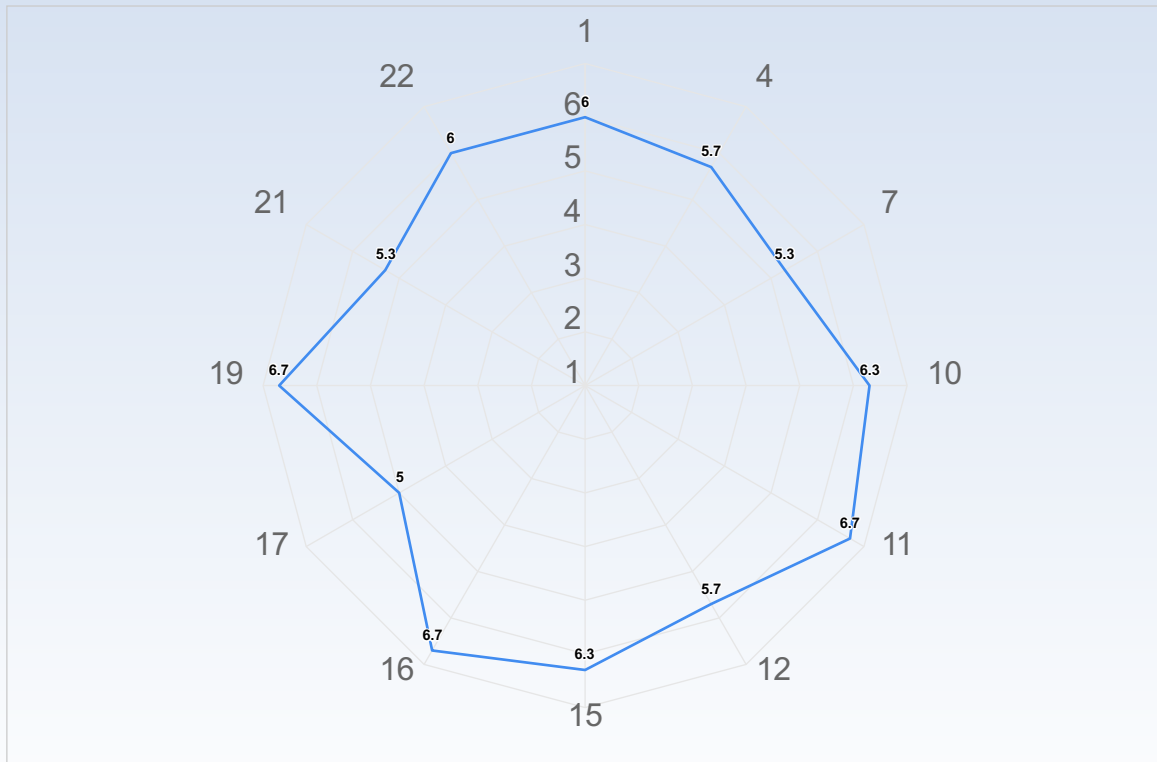
— Kvinna — Man — Annat — Vill ej uppge

Comments

Comments (I am: Man)

Nothing to add.

Average response to LEQ statements - per type of student



- Internationell masterstudent
- Svensk student i årskurs 4-5
- Internationell utbytesstudent
- Annan typ av student
- Svensk student i årskurs 1-3
- Vill ej uppge

Comments

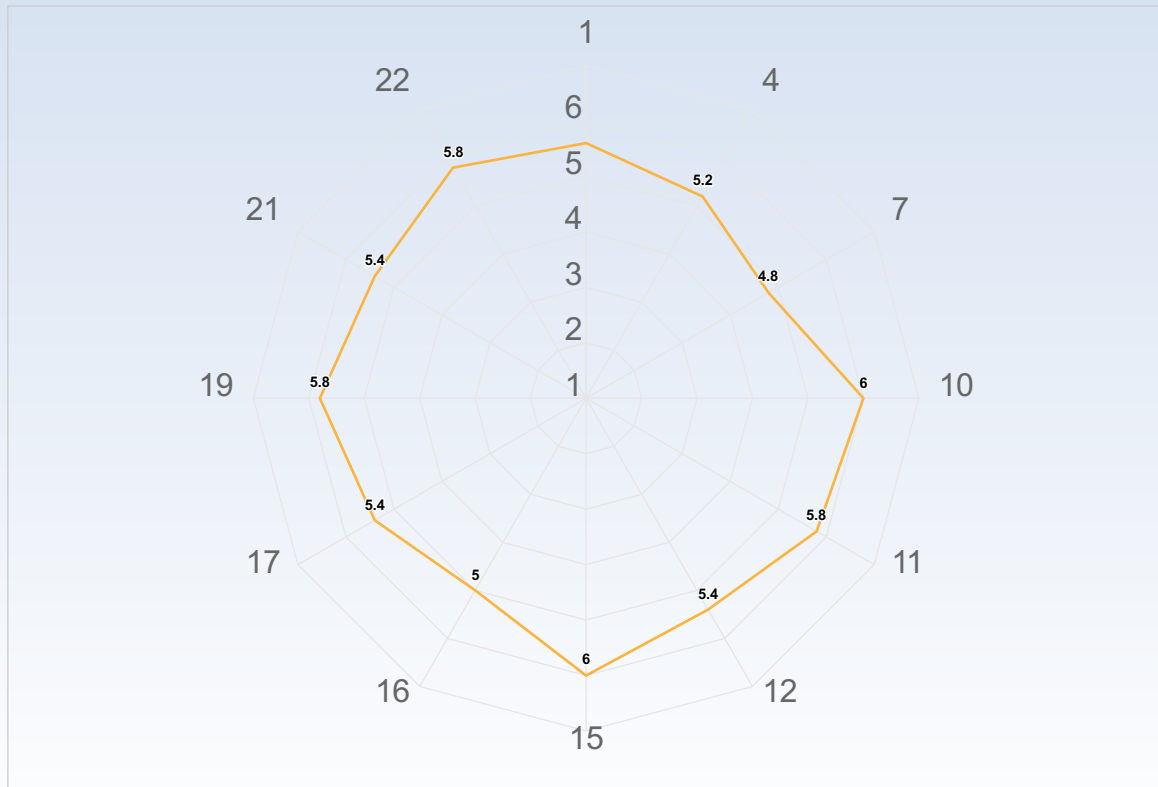
Comments (I am: Internationell masterstudent)

Nothing to add

Comments (I am: Svensk student i årskurs 4-5)

Är van att skriva tentor på KTH och har aldrig varit med om en så otydlig och orättvist examination förut.

Average response to LEQ statements - per disability



— Ja — Nej — Vill ej uppge

Comments

Comments (My response was: Nej)

GENERAL QUESTIONS

What was the best aspect of the course?

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

Course content

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

The lab sessions were pretty good. Having the opportunity to learn from people that work in the industry is really helpful to someone that is staying something new, then it is easier to connect the theory with practical cases.

Included a guest lecturer and also practice in real laboratory

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

The course about metal 3D printing was excellent.

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

Labbarna med företagen.

What would you suggest to improve?

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

I would like more lab/practical sessions, maybe one per topic, e.g. one for characterization (we did one for this), one for compaction, sintering, ...

Before the class it is better to share the lecture slides so the students can have a highlight of what they will have in the class.

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

The lectures (except the 3D one) were boring. The professor was moving fast w/o showing great interest in what he was talking about. The labs as I said above were not really challenging

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

Bättre föreläsningar som är lättare att följa och mer pedagogiska. Viktigt att föreläsaren tar sin tid och inte stressar igenom allt på 1h!

Övningarna var som sagt oklara och kändes väldigt svåra. Det var svårt att koppla övningsuppgifterna till resten av kursen enligt mig.

What advice would you like to give to future participants?

What advice would you like to give to future participants? (I worked: 3-5 timmar/vecka)

The German's book is very useful for collecting notes.

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

Study with time and read German's book and Uhrenius compendium in a regular basis.

-

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

Go to the lectures (even if they are not the best) since you can still ask questions for clarity

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

Läs i boken tillsammans med power pointsen.

Is there anything else you would like to add?

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

No

-

Is there anything else you would like to add? (I worked: 18-20 timmar/vecka)

Den här examinationen var enligt mig och många andra inte rättvis. Det var som sagt väldigt stort fokus på sintring och flera lärandemål skippades helt. Det var också otydligt vad som krävdes av ens svar för att få poäng på frågorna. Examinatören krävde väldigt detaljerade svar utan att det framgick i frågan. Detta ledde till att många blev underkända fast de hade pluggat mycket!

SPECIFIC QUESTIONS

RESPONSE DATA

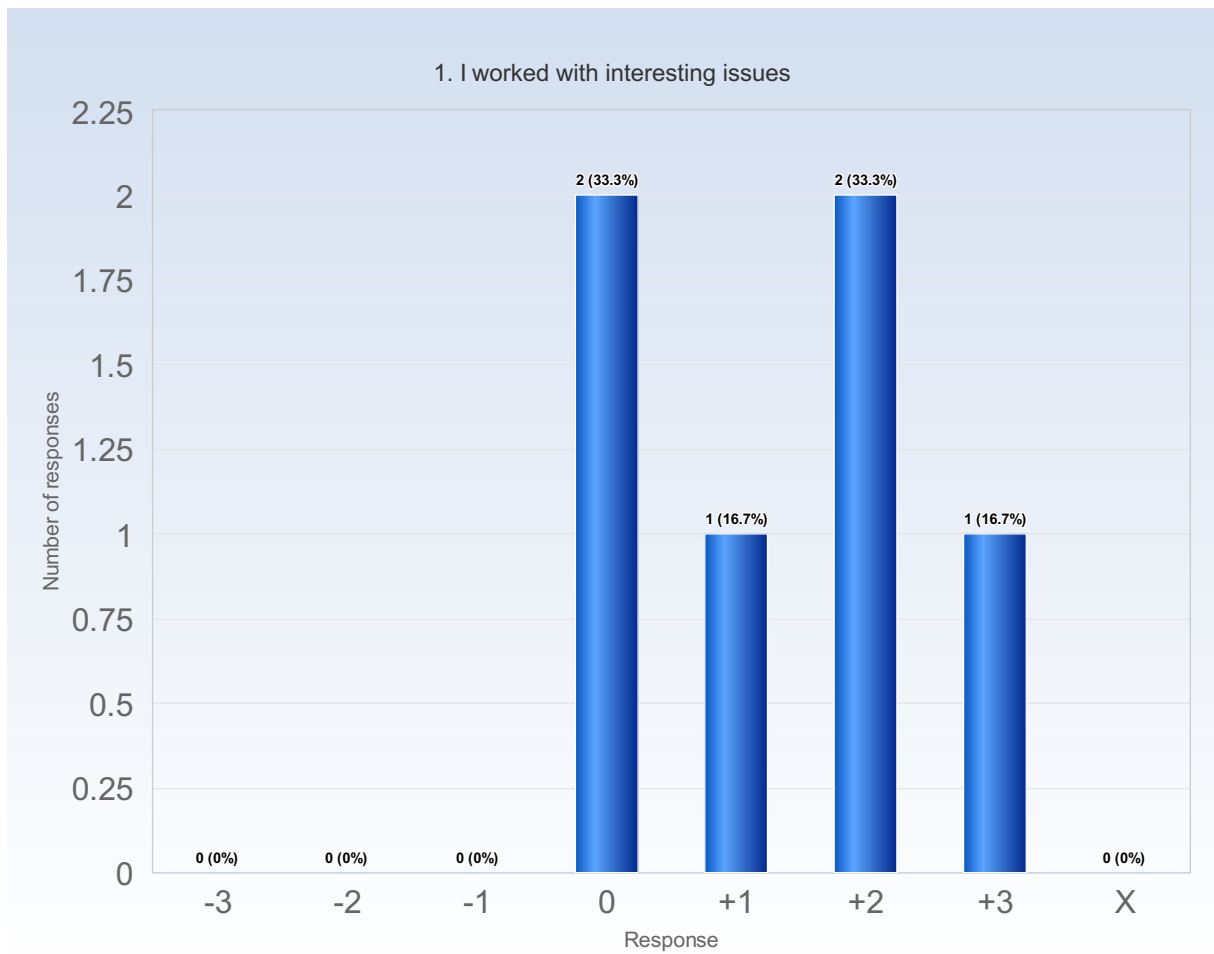
The diagrams below show the detailed response to the LEQ statements. The response scale is defined by:

-3 = No, I strongly disagree with the statement

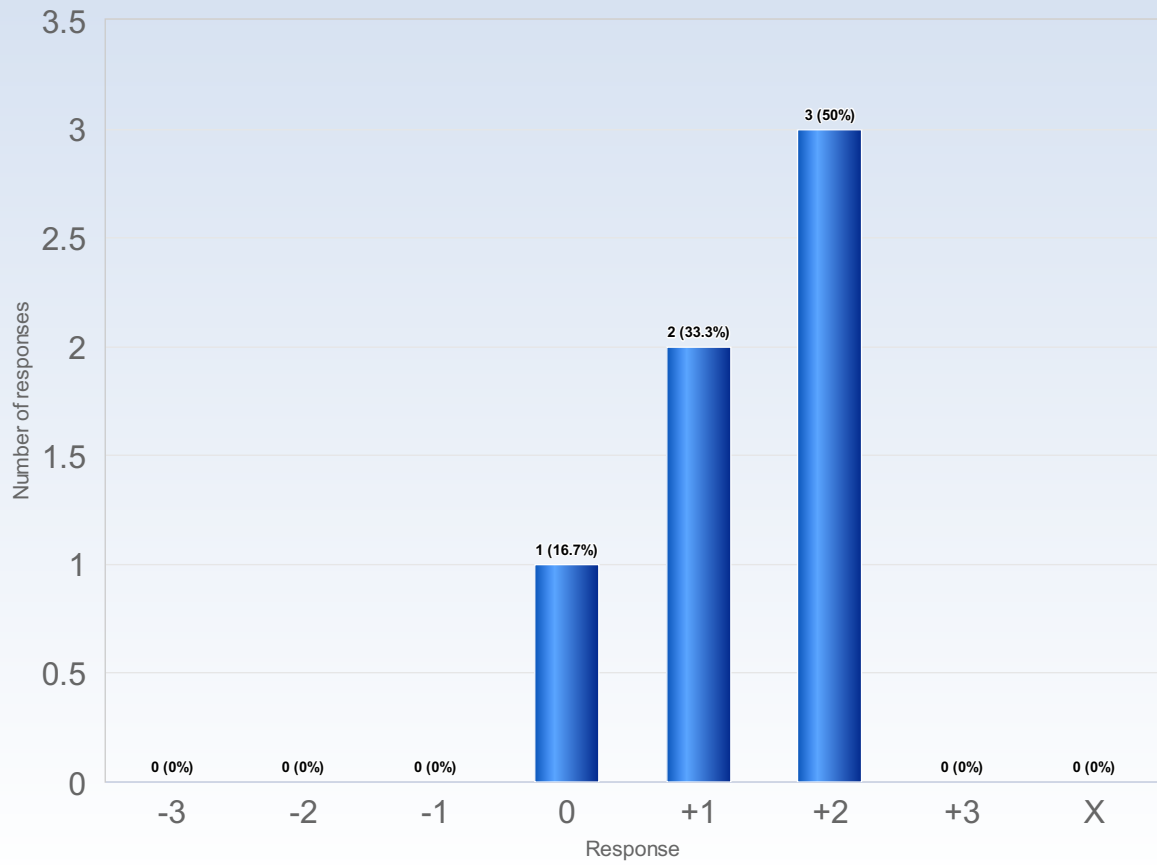
0 = I am neutral to the statement

+3 = Yes, I strongly agree with the statement

X = I decline to take a position on the statement



4. The course was challenging in a stimulating way

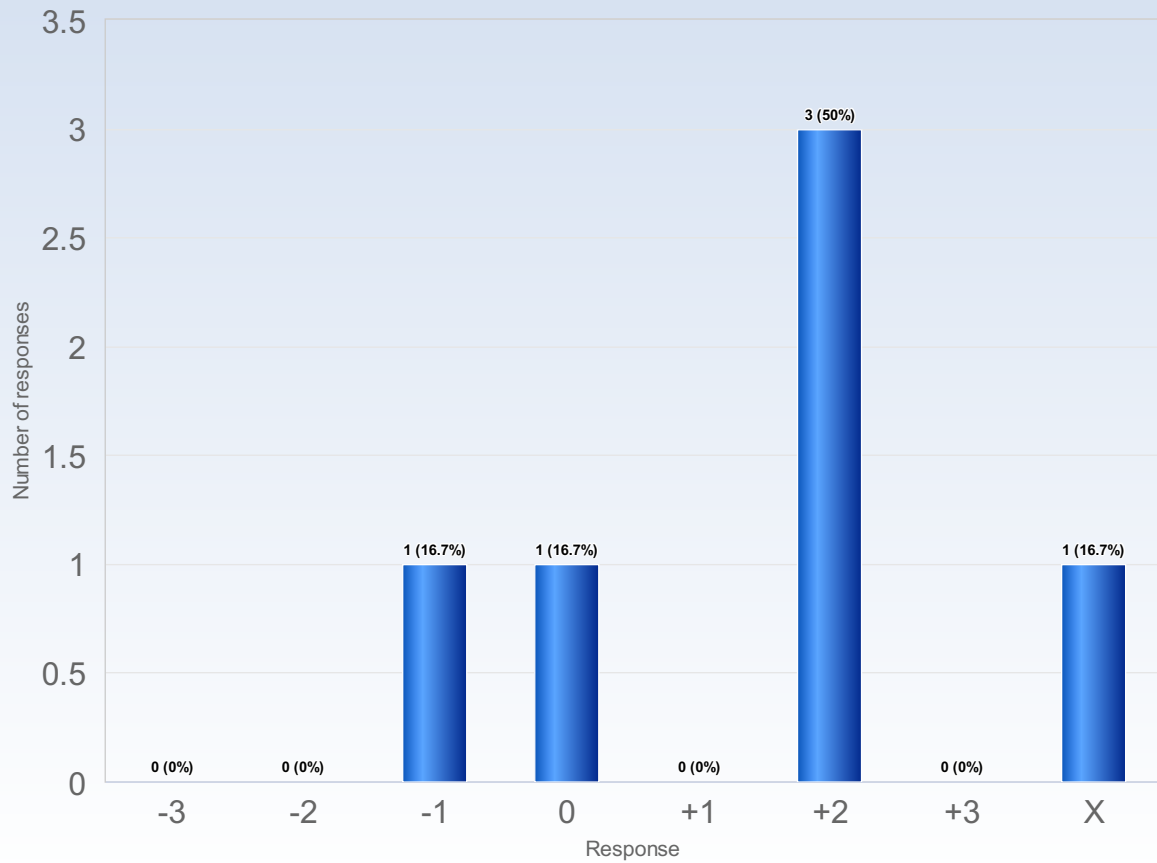


Comments

Comments (My response was: +1)

Det var väldigt många olika delar så kursen i sin helhet kändes ganska rörig.

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



Comments

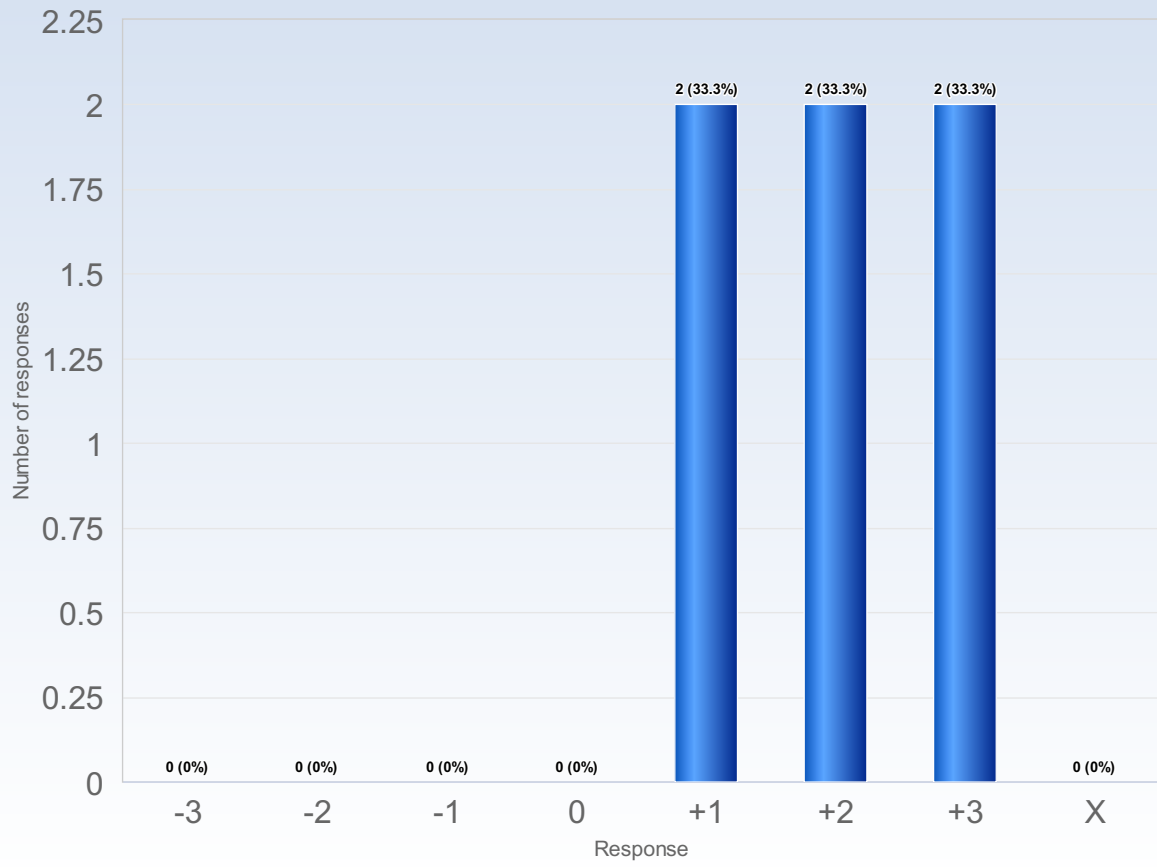
Comments (My response was: -1)

the exercises were completely different from the exam

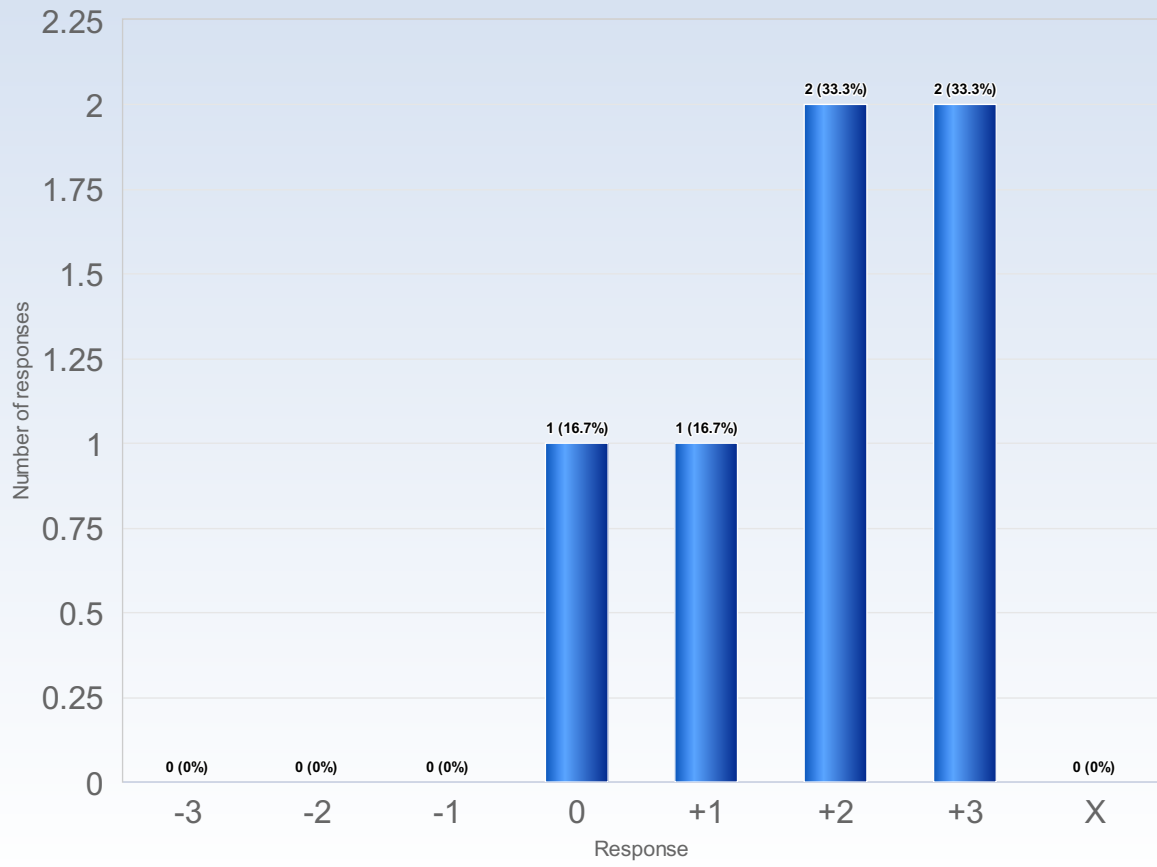
Comments (My response was: X)

Ja jag pluggade på kursen utifrån lärandemålen men anser att själva tentan inte examinerade alla lärandemål utan största fokus låg på sintring. Det är då missvisande att ha lärandemål som säger att du ska lära dig väldigt mycket mer delar än sintring men en tenta som i princip bara examinerar sintring!!

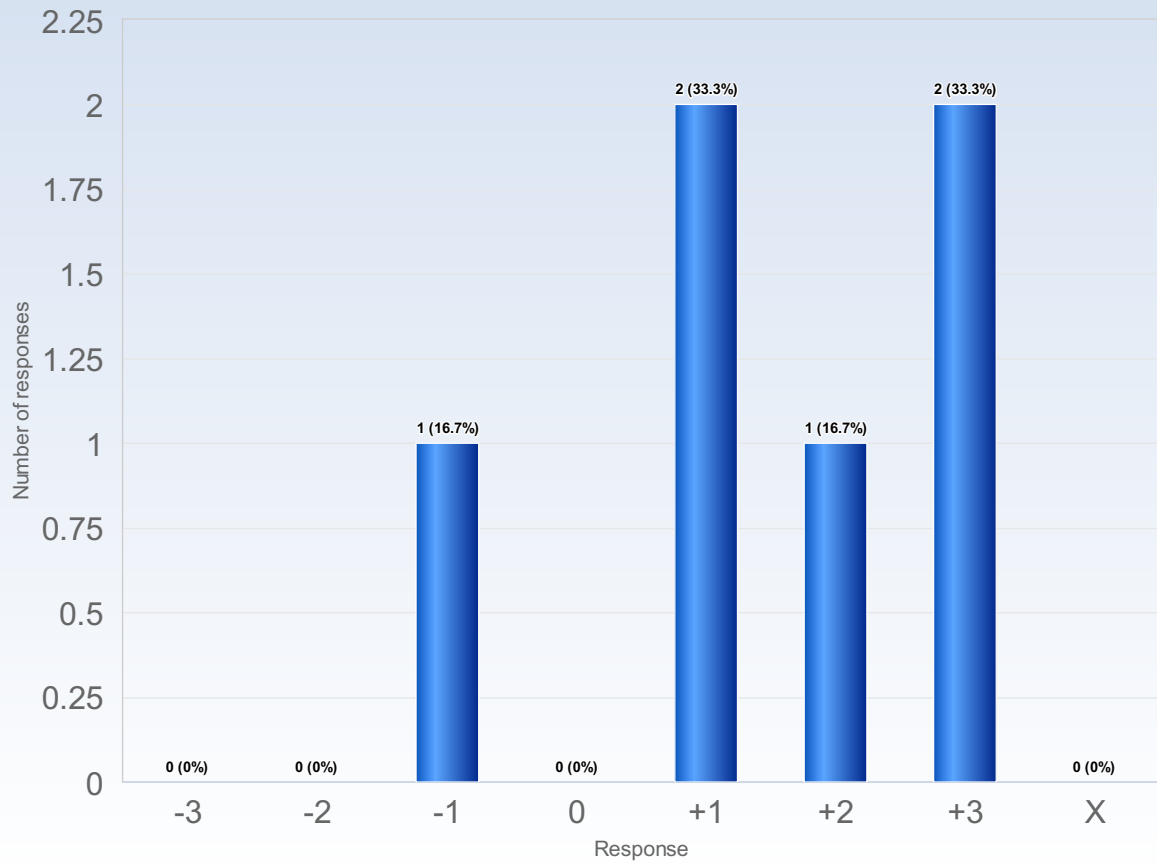
10. I was able to learn from concrete examples that I could to relate to



11. Understanding of key concepts had high priority



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

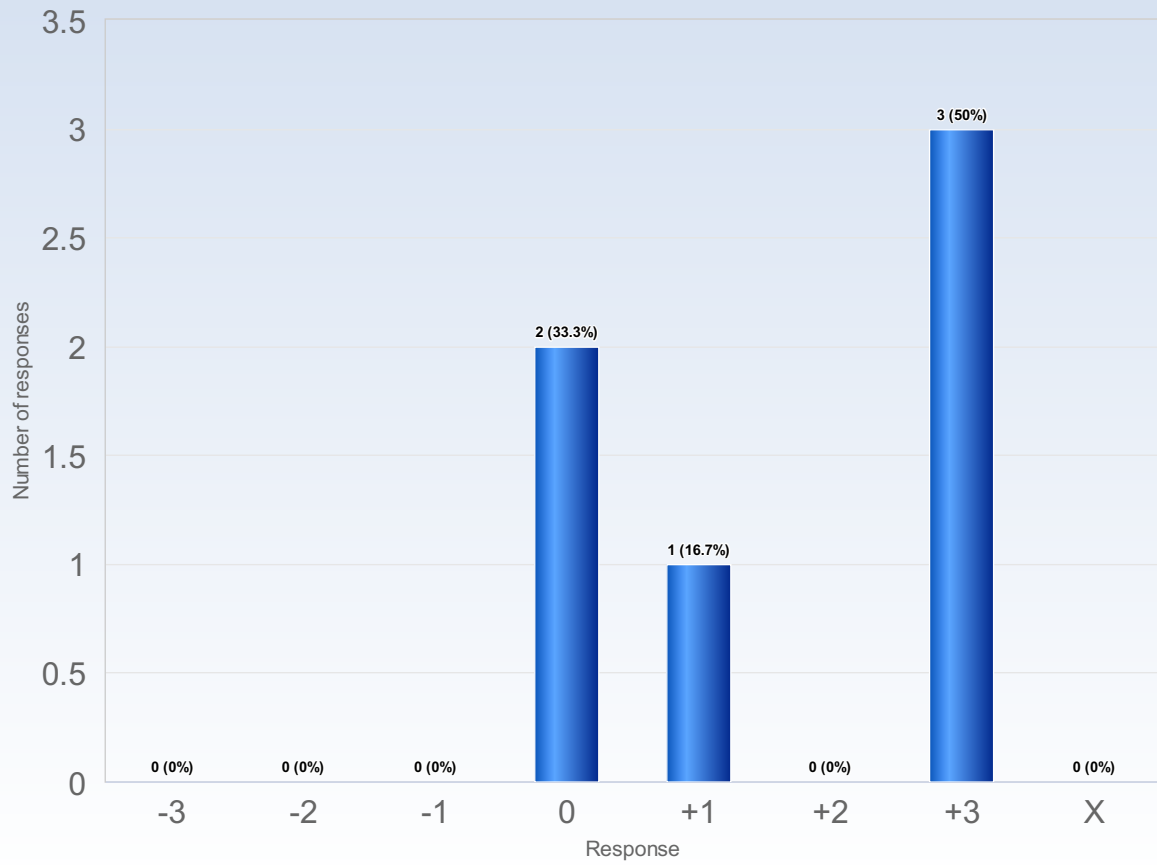


Comments

Comments (My response was: +1)

Labbarna hjälpte på ett bra sätt! Föreläsningarna däremot tyckte jag kunde ha varit mer pedagogiska, det var lite rörigt och kändes stressat. övningarna kändes väldigt oklara och var svåra att koppla till resten av kursen.

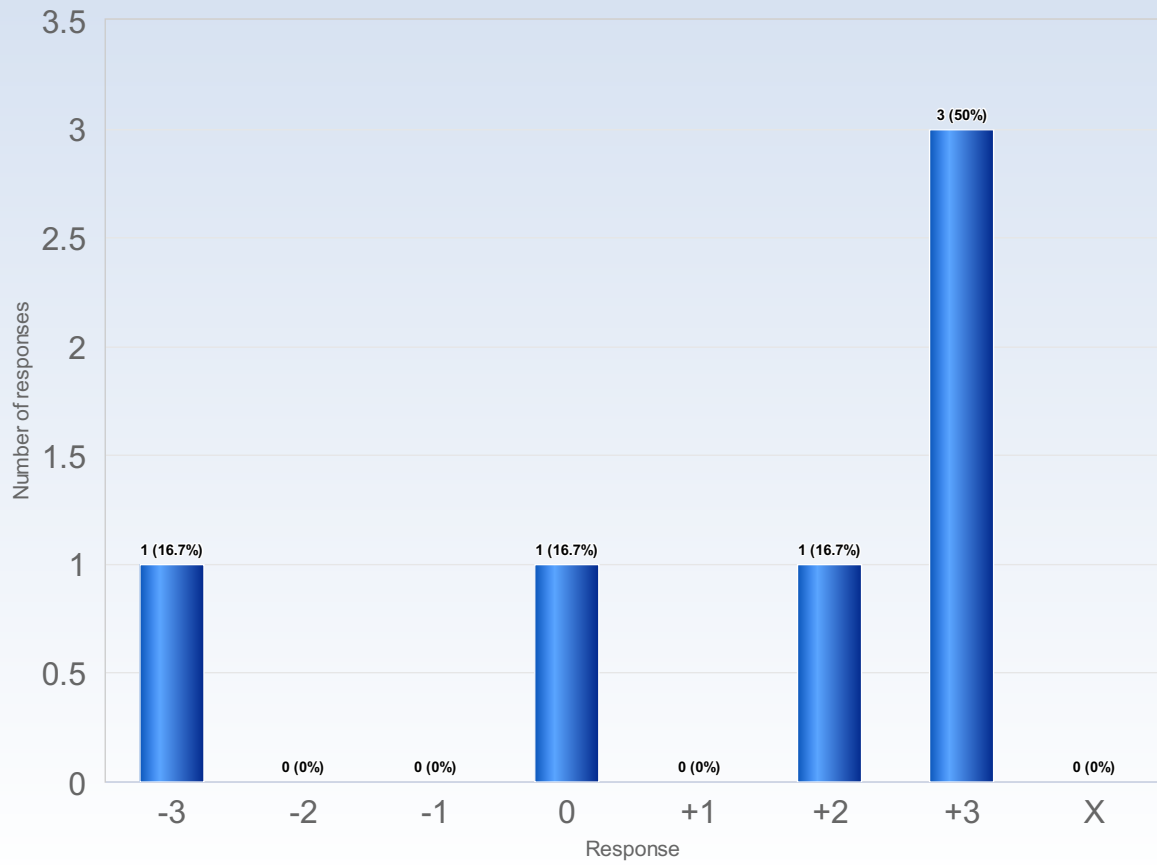
15. I was able to practice and receive feedback without being graded



Comments

Comments (My response was: +3)
Labbarna var väldigt givande!

16. The assessment on the course was fair and honest

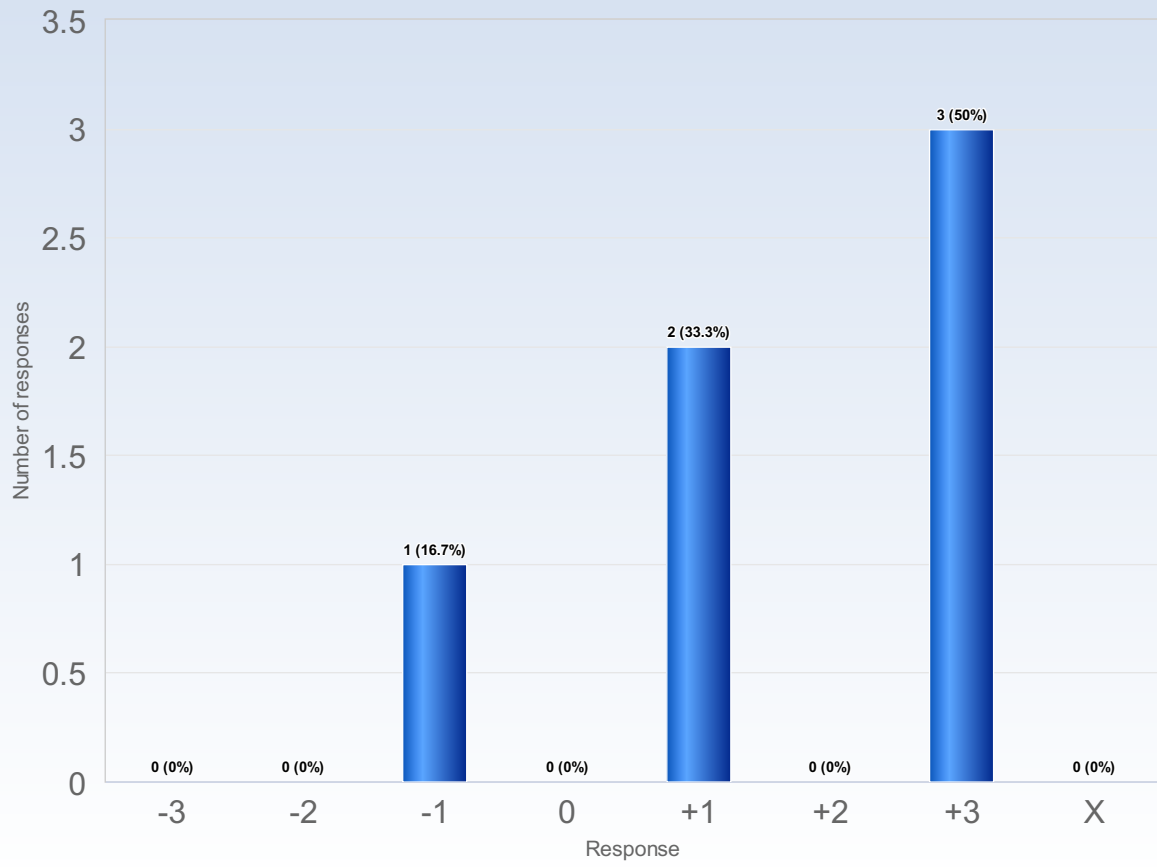


Comments

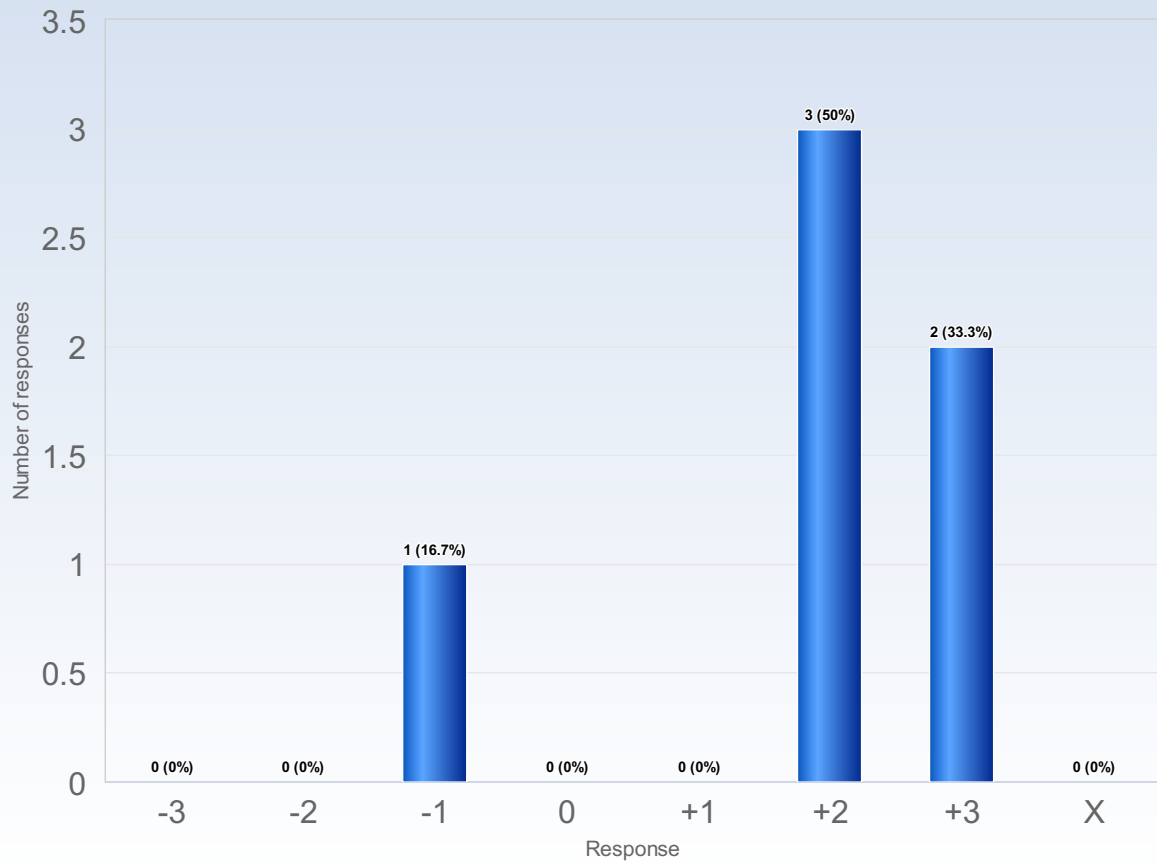
Comments (My response was: -3)

Examinationen fokuserade väldigt mycket på sintring och skippade helt flera lärandemål vilket känns väldigt orättvist när man har pluggat på alla lärandemål. Om tentan bara ska handla om sintring får ni ändra kursen till en sintringskurs!

17. My background knowledge was sufficient to follow the course



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

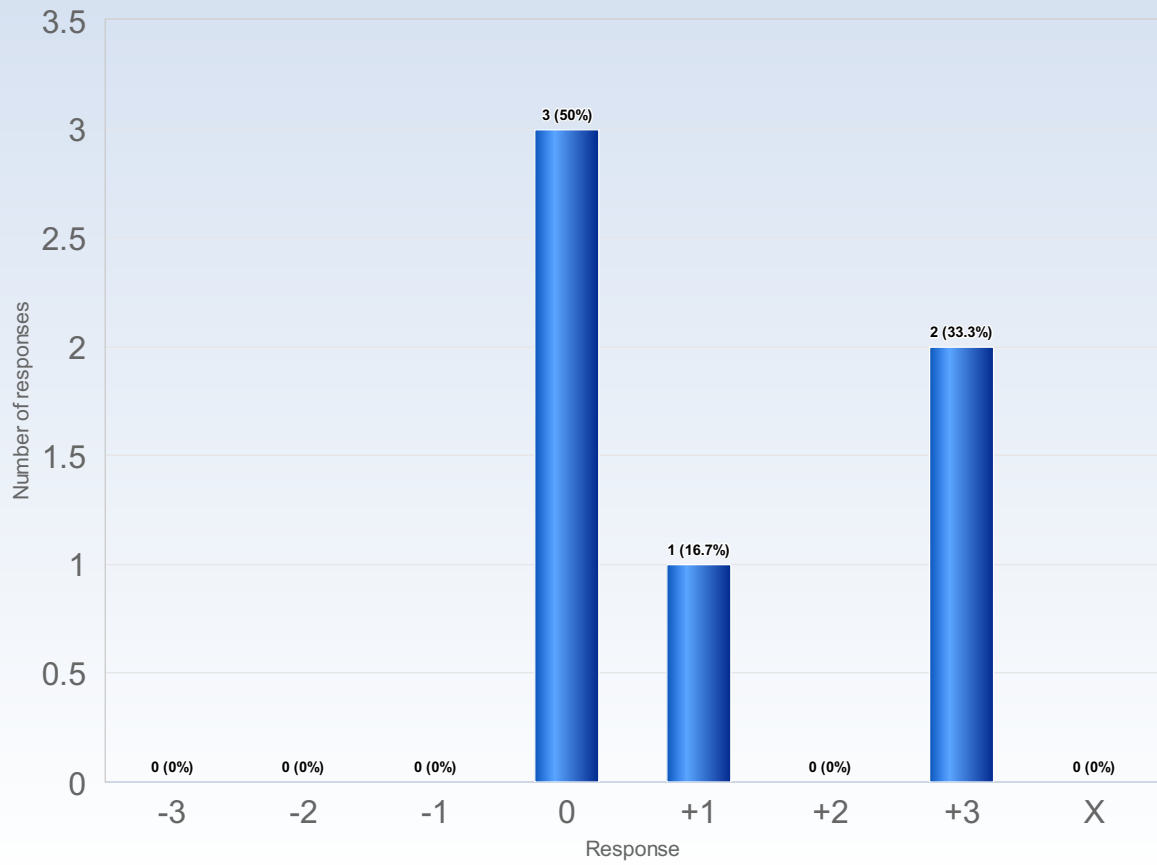


Comments

Comments (My response was: -1)

The first lab was not really exciting. Measuring powder flowability is a bit too easy to justify to go to Swerim labs. The two last labs were okay since the responsables were answering questions by giving lots of details

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



Comments

Comments (My response was: 0)

No real discussion btw people if they can't speak swedish

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

