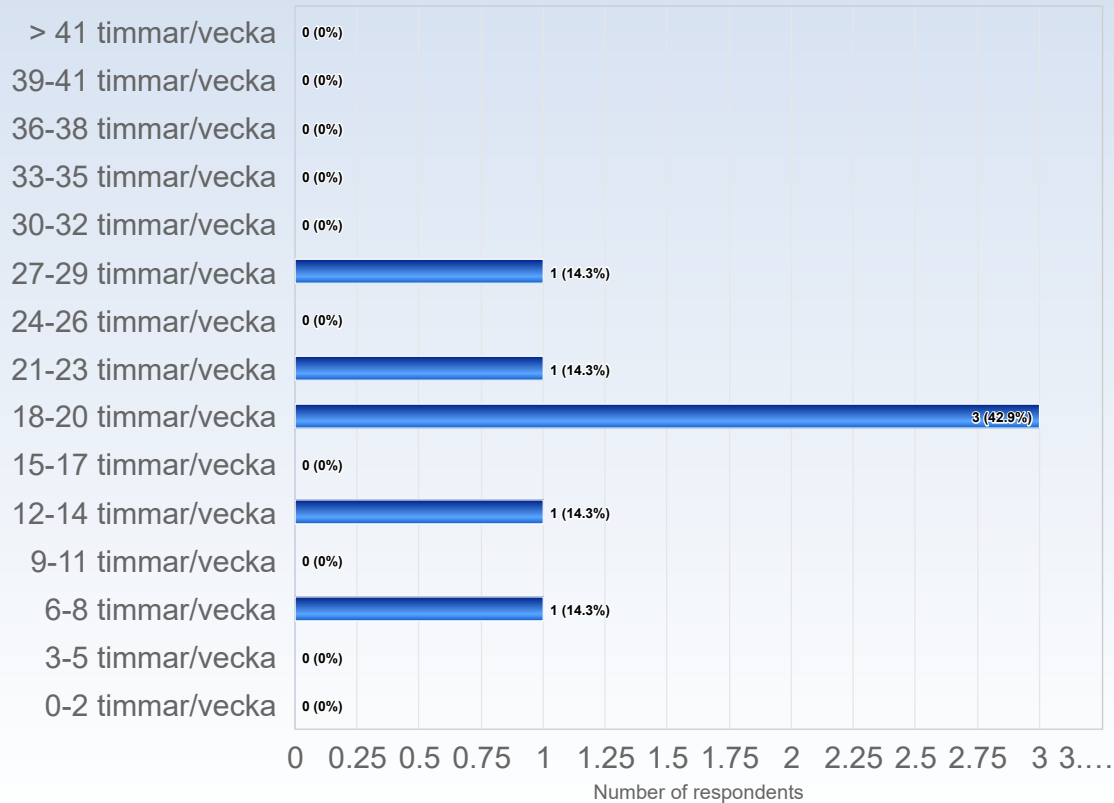


# CH2012 - 2023-05-28

Antal responder: 16  
Antal svar: 7  
Svarsfrekvens: 43,75 %

## 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)

The format of the case studies was very useful in enabling me to schedule my study at my own pace!

Comments (I worked: 12-14 timmar/vecka)

Some weeks less, rarely more. Very sufficient learning experience thanks to the case studies and additional tasks.

Comments (I worked: 18-20 timmar/vecka)

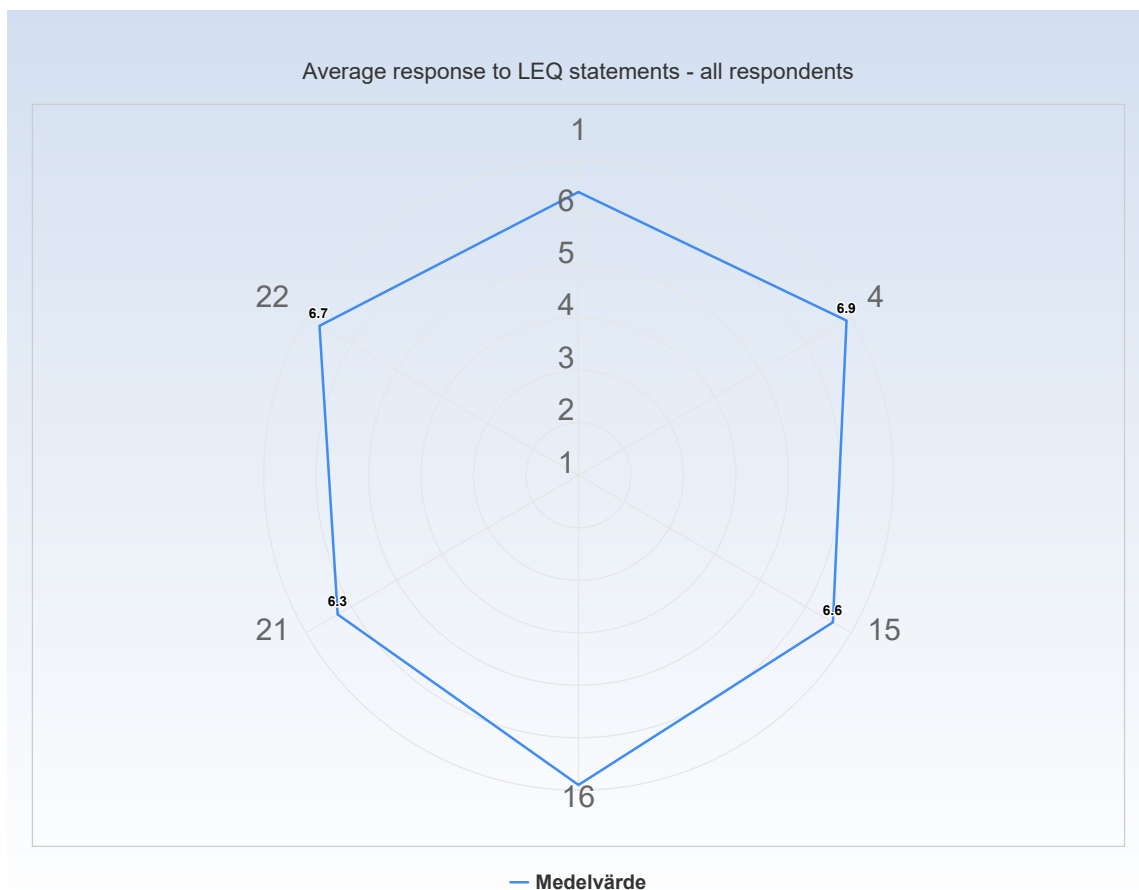
This is quite engaging with the many enjoyable home exercises

# 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.

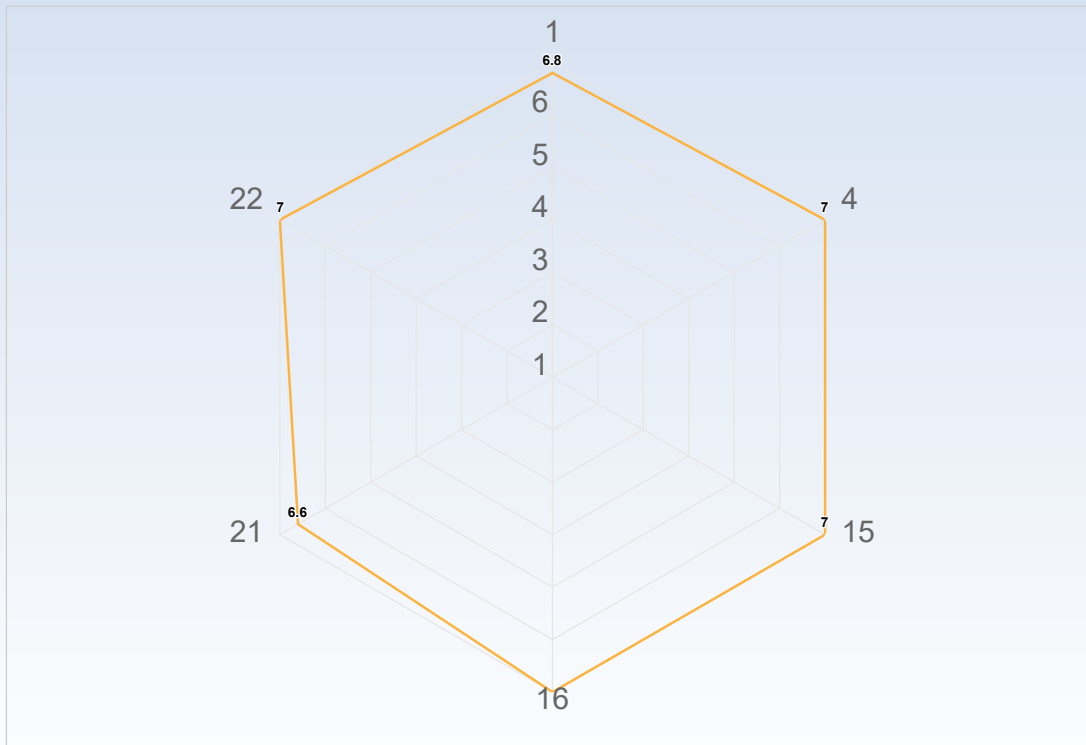
Biggs J. & Tang, C. (2011). *Teaching for Quality Learning at University*, Chapter 6, pp. 95-110. Maidenhead: McGraw Hill.

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

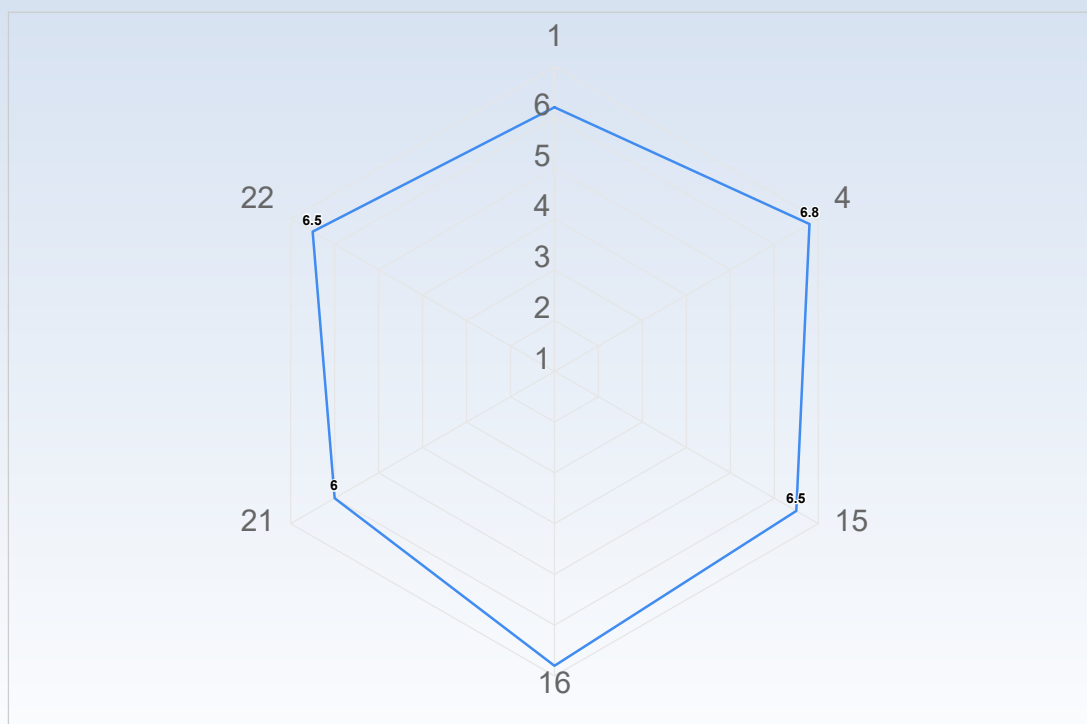
Comments

Comments (I am: Man)

it makes no difference of your sex, the course is for engineers irrespective

Very good

Average response to LEQ statements - per type of student



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

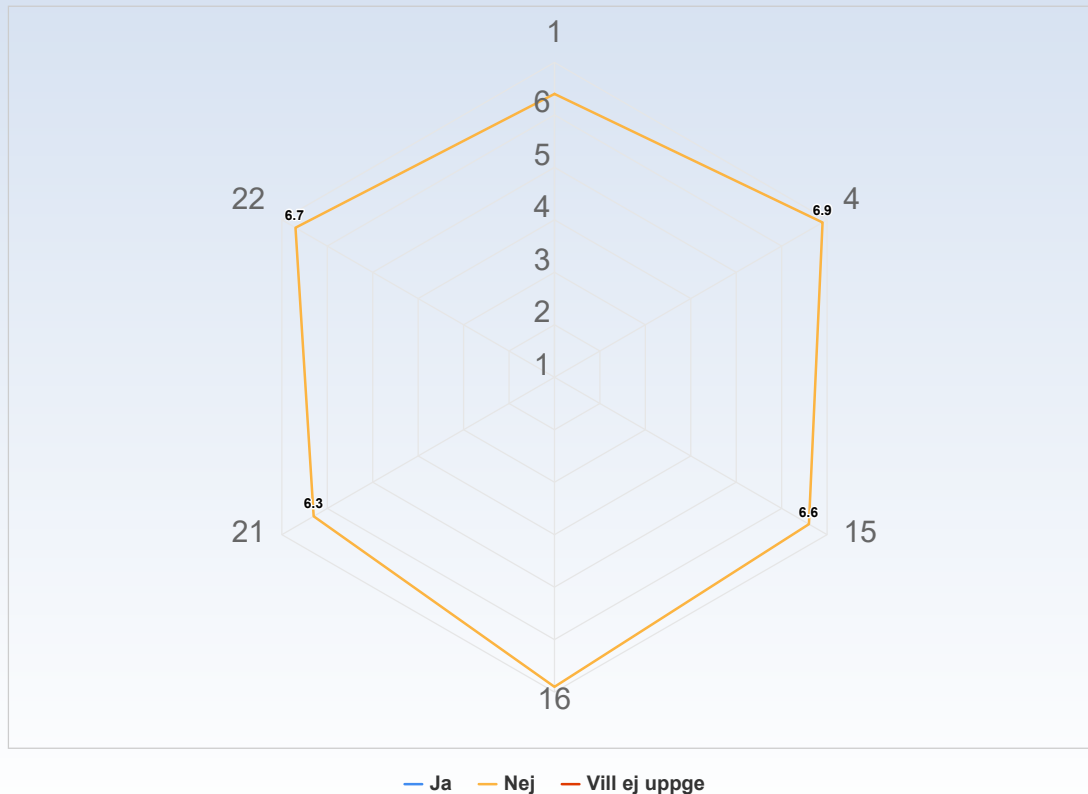
Comments

Comments (I am: Internationell masterstudent)

The context of the course can be applied in any workplace anywhere in the world

Very good

Average response to LEQ statements - per disability



## 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 case studies

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

How it was distributed in general, relevant learning activities etc.

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

Very clear overall structure and concise well made prerecorded videos

Doing real-time measurements on a worksite, interacting with workplace equipment and participating in a group project.

The homework cases were really good and useful for learning as well as Labs both noise and vibration. I think the group work was very good and rewarding when doing "real life" work with noise (and vibration).

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

The learning activities, specially the case studies, where great.

What was the best aspect of the course? (I worked: 27-29 timmar/vecka)

Supporting Teachers and the course is very well designed.

**What would you suggest to improve?**

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

More labs and wider variety of lab cases

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

Fewer persons in each group, 2-3 p would have been sufficient and perhaps better for the learning process.

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

As stated before more case studies would be helpful.

Only one aspect of the course was assessed in a real workplace, both aspects (noise and vibrations) can be evaluated.

**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)

Read up on the literature before coming to the case studies

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

Embrace the case studies.

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

Nothing special comes to mind, the course plan was very clear, helpful and easy to follow I would say so just stick to time schedule as trust the plan I would say.

Engage actively in group discussions.

Do calculations individually, make errors, and learn from the lecturer's approach.

Organize private study groups

**Is there anything else you would like to add?**

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

Not really.

Is there anything else you would like to add? (I worked: 12-14 timmar/vecka)

Very good course, a subject that does not necessarily interests me personally felt exciting due to the arrangement.

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

Good job by Catherine and Bengt organizing this course.

Thank you for a very good course :)

## **SPECIFIC QUESTIONS**

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## RESPONSE DATA

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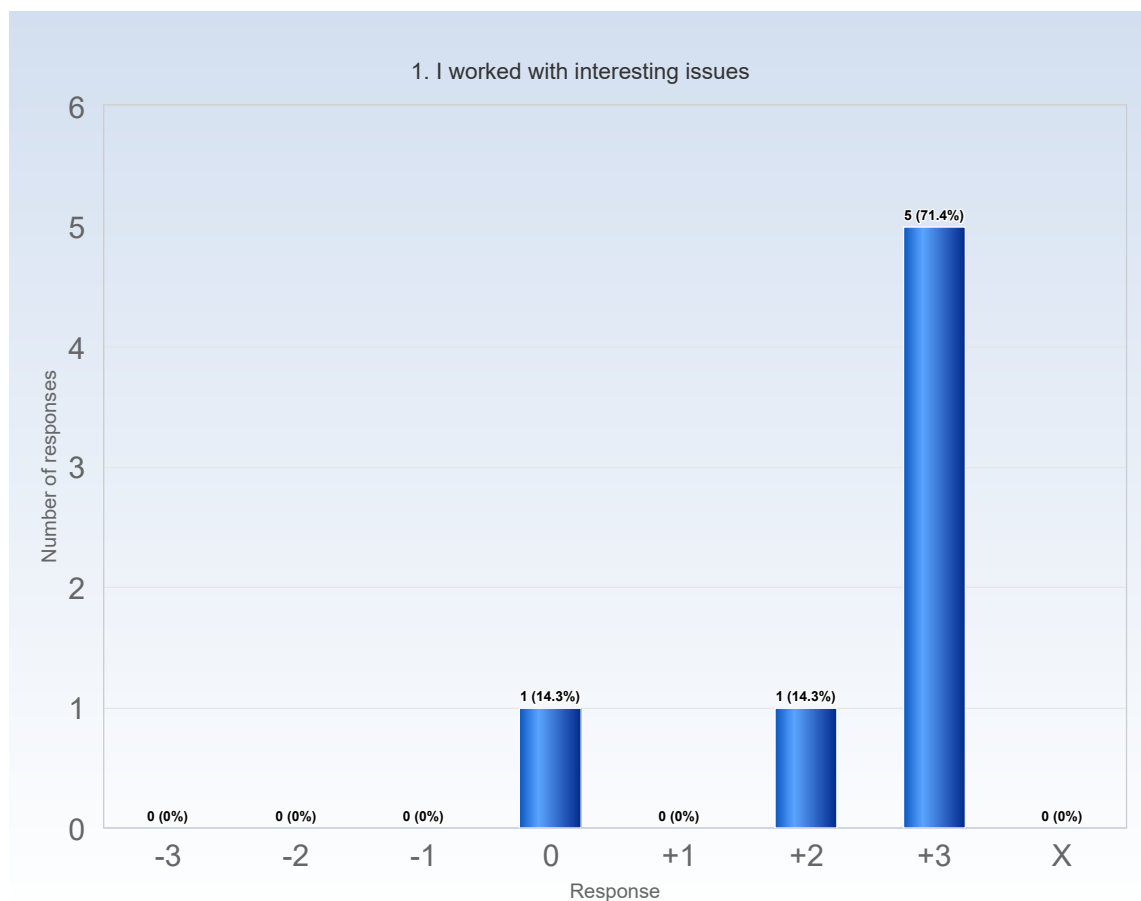
The diagrams below show the detailed response to the LEQ statements. The response scale is defined by:

-3 = No, I strongly disagree with the statement

0 = I am neutral to the statement

+3 = Yes, I strongly agree with the statement

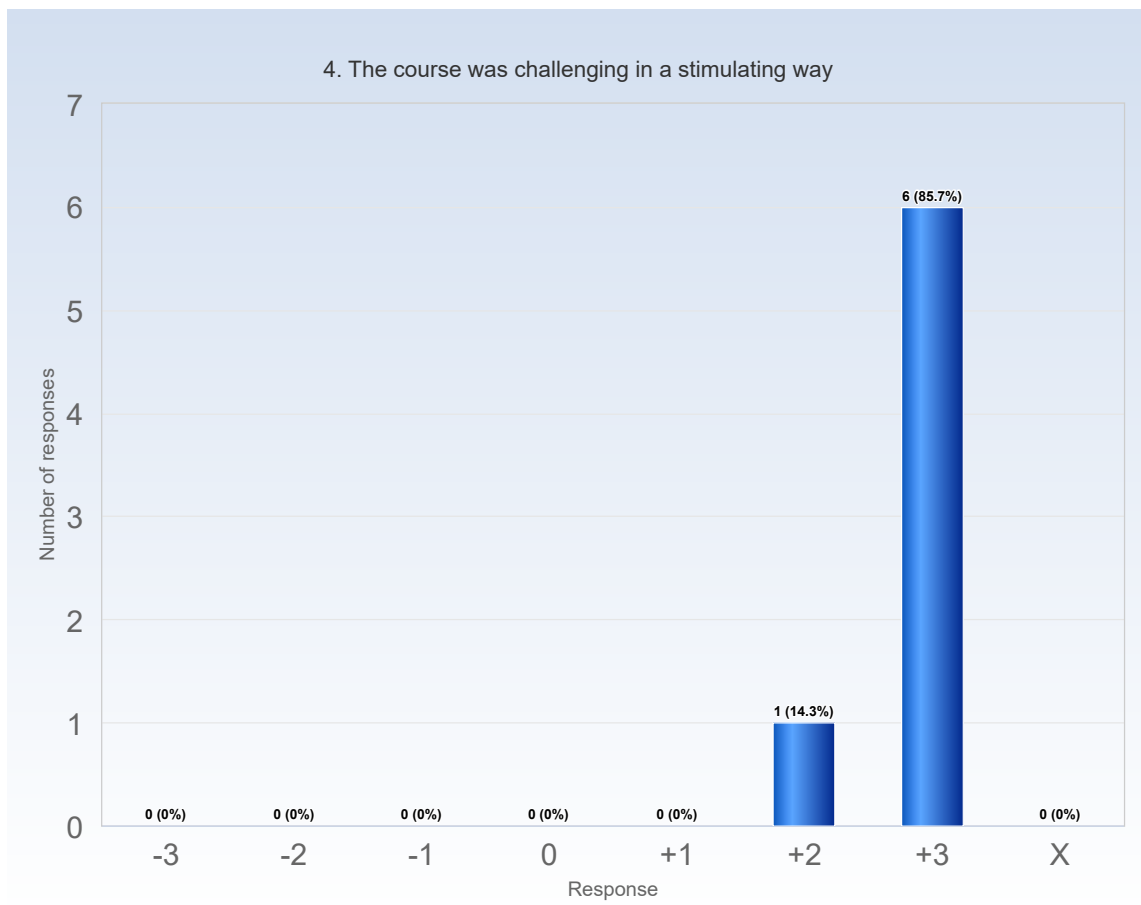
X = I decline to take a position on the statement



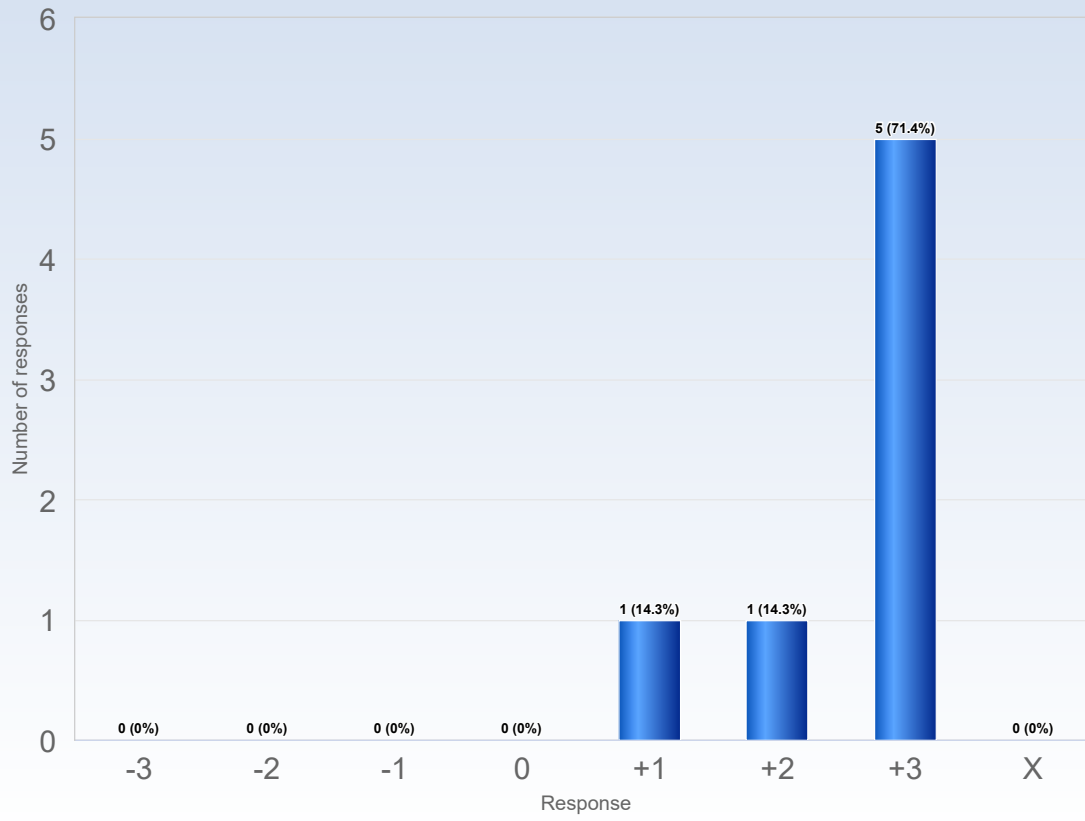
Comments

Comments (My response was: +2)

Bigger variation of case studies would be helpful

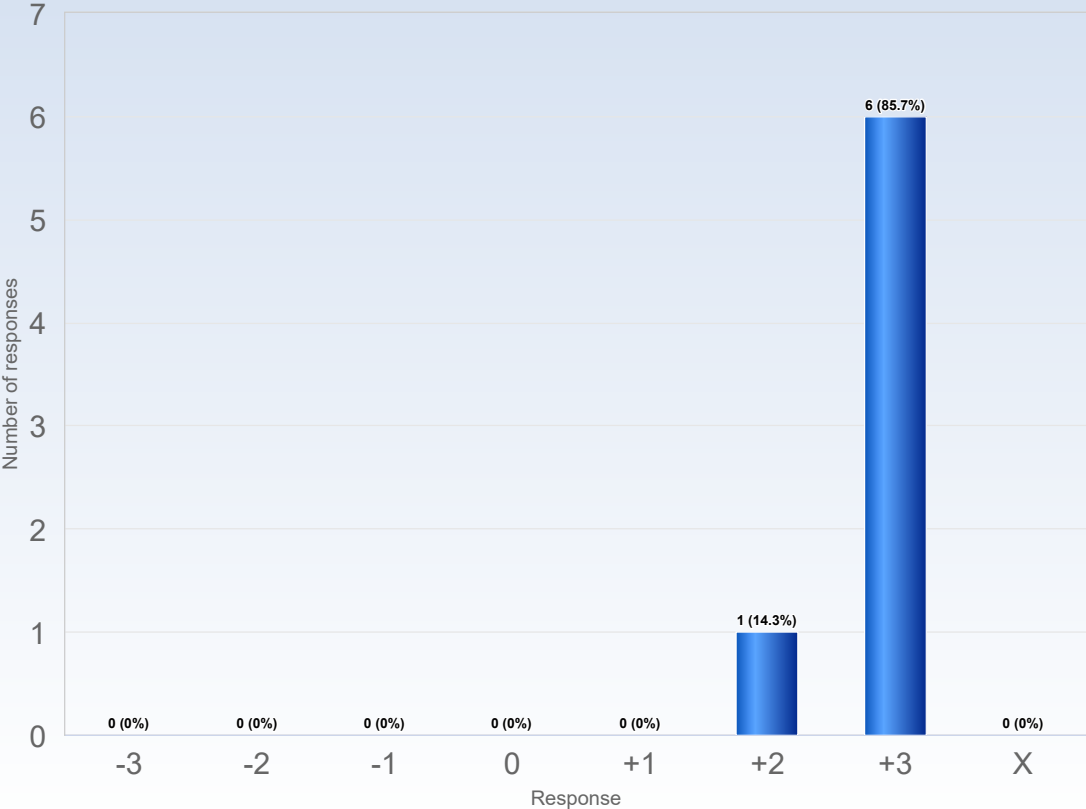


15. I was able to practice and receive feedback without being graded

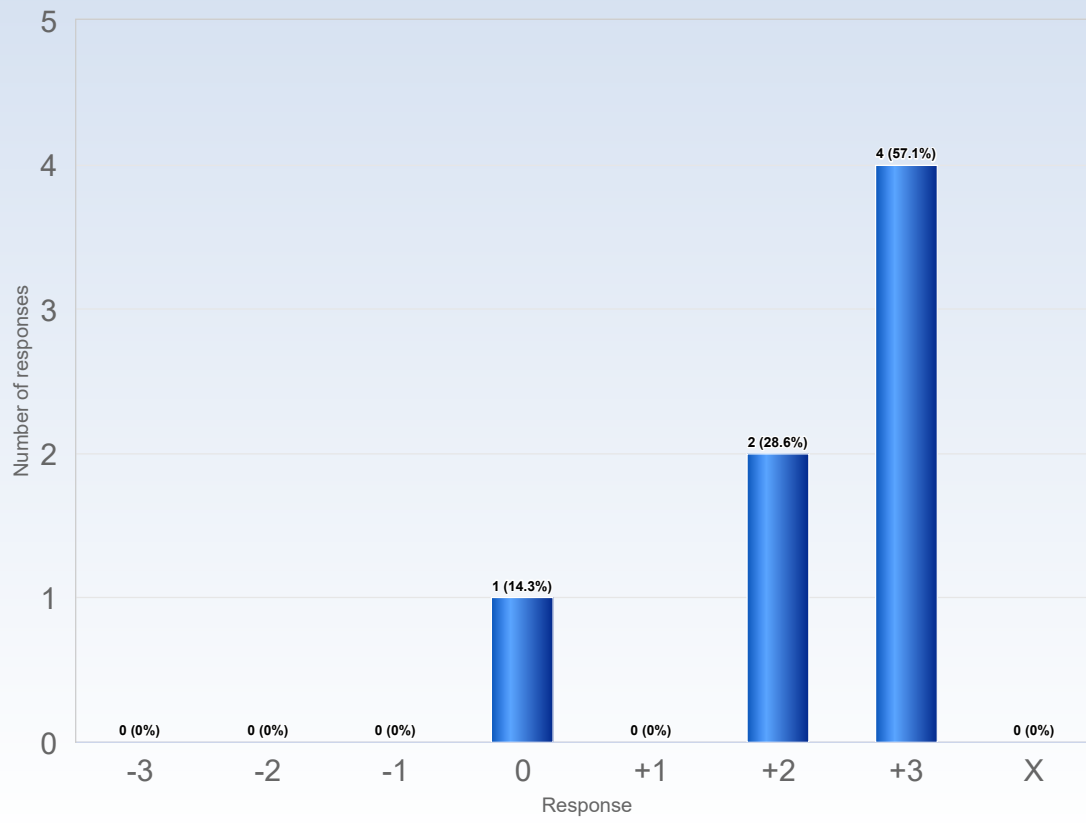




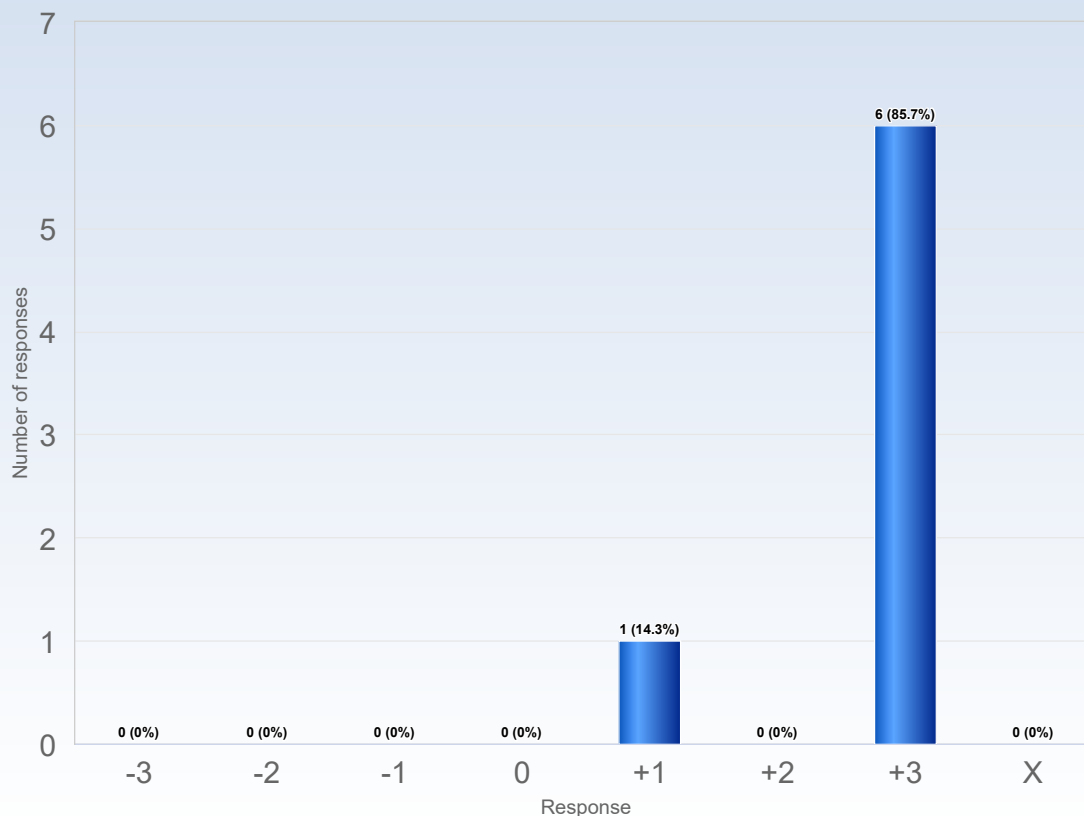
16. The assessment on the course was fair and honest



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



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



**SPECIFIKA FRÅGOR**

Finns där någonting i den här kursen som du vill ha i andra kurser?

**SPECIFIKA FRÅGOR**

Finns där någonting i den här kursen som du vill ha i andra kurser?

Yes, grading of project reports should be the standard in all courses.

- Case studies
- Fewer lectures
- Streamline course material

The case study format

As mentioned above the work with cases was good and more "cases" could be implemented in other courses also to increase the practical applications of knowledge.

Case studies, clear what's relevant etc.

The scenario based learning and the group discussion will help me to understand subject matters more deeply in the professional career.

For me it is always the process of doing the project work/report as it very motivating actually helping to improve a workplace.

Measurements of vibration and noise in workplaces, making proposals for improvements  
the noise and vibration measurement strategies

I really liked this course. As an ergonomist a have a great advance of having this knowledge when I meet workers in different environments and understand more the role of noise and vibrations. HAV is specially interesting since I often get assignments relaterad to Hand Intensive Work. Even these are two different question I think it is very important to understand the interplay/accumulated effects between "hand intensive work" as described in AFS 2012:2 and also vibration exposure.

idk.