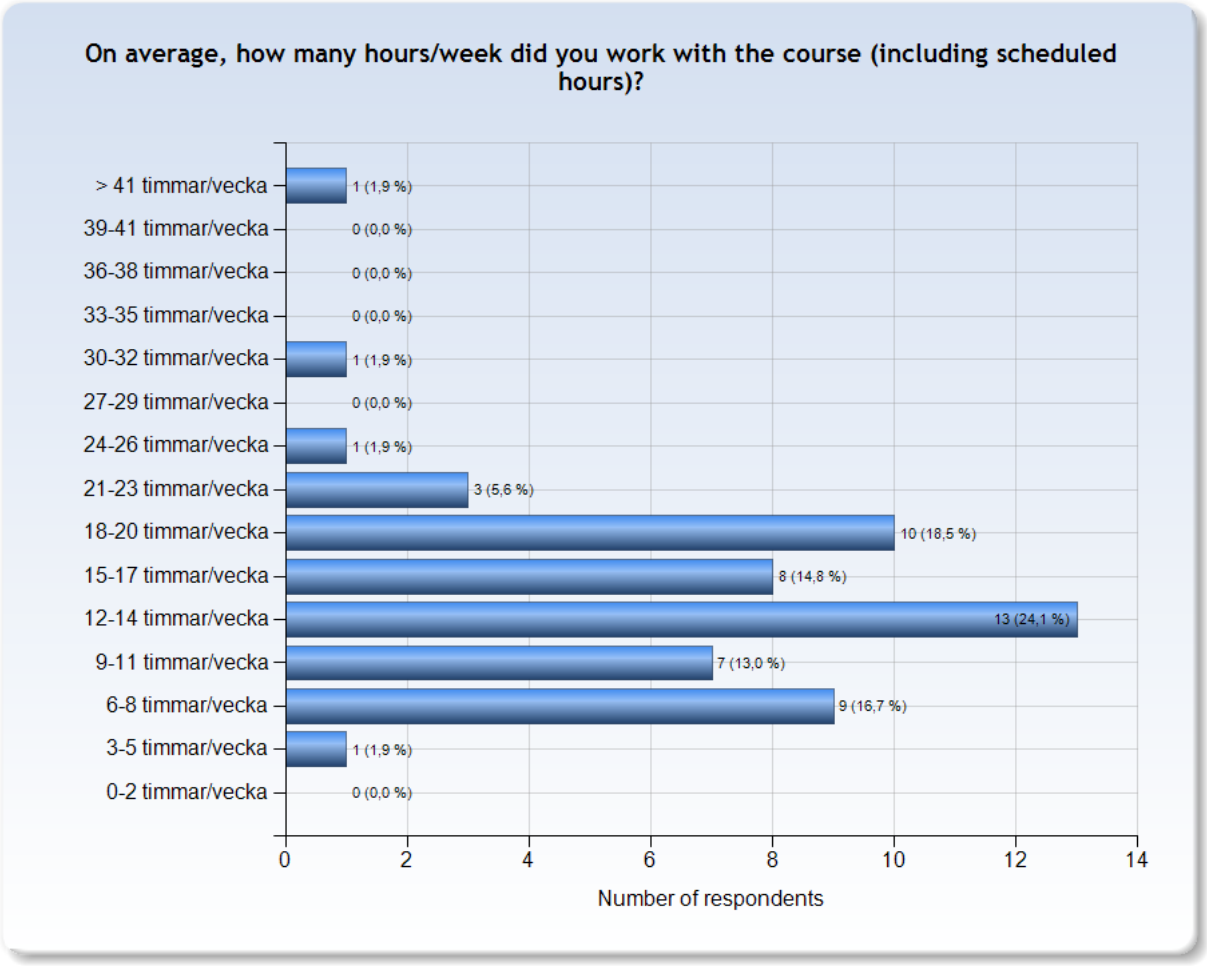
ID2221 - 2018-10-12

Antal respondenter: 123
Antal svar: 57
Svarsfrekvens: 46,34 %

ESTIMATED WORKLOAD



Comments

Comments (I worked: 6-8 timmar/vecka)
I think the course strikes a good balance in terms of theoretical learning through the lectures, and then practical learning through the weekly readings and labs. The amount of work required seems fair.
Not particularly heavy and assignments were completely doable in time due to them being done in duos.
Slides were well designed. Some topics were less clear, e.g Resource management (introduction of Mesos but then outlined different resource sharing rules and it was not very clear which one applies to Mesos and which one to Yarn). Might be better to explain concepts first and then the different framework where one only outlines their aspects or differences.
lagom

Comments (I worked: 9-11 timmar/vecka)
The assignments felt a little easy. The hardest part about them, especially for a non-Linux user, was using the OracleVM to set up the environment. I was really slowed using the VM, both because of my limited knowledge of the environment and because using a VM is just slow in general. Would be improved if the course also included Windows setup as well. The reading assignments were also by far the hardest.
I did not attend lectures because of location and scheduling collision. The assignments were too shallow and did not take a long time to complete.
I have spent around 10 hours per week. It helped me understand the course materials and solving the assignments

Comments (I worked: 12-14 timmar/vecka)
Bit more work than I thought, most likely due to I am not from distributed system domain :)
Labs are low load but it takes time to set up the environments. Implimentations were the easy part.
The workload in terms of labs and reading assignments felt manageable.
Very good distribution of the workload with regular assignments - not only "bulk" learning at the end
I worked during the weekends mostly as I have a full time job
A lot of assignment load. But it was worth it!

Comments (I worked: 15-17 timmar/vecka)
Very reasonable work load. The assignments kept me active in my studying.
Laggom
Most work went into the assignments and attending lectures.
I had a stressful period so I couldn't spend as much time as I would've wanted to. Very informative and well-designed assignments, both labs and reading assignments.

Comments (I worked: 18-20 timmar/vecka)
The workload was totally managable, and included learning platforms, programming practices, and writing in-depth paper reviews.
There were reading and lab assignments, which helped to understand the concept in more detailed way. For this had to spend extra hours after the lecture hours.
The workload is relatively ok for me.

Comments (I worked: 30-32 timmar/vecka)
I had no experience before in computing related to data(new programming language, new softwares) so I spent extra hours learning and reading from and outside the course.

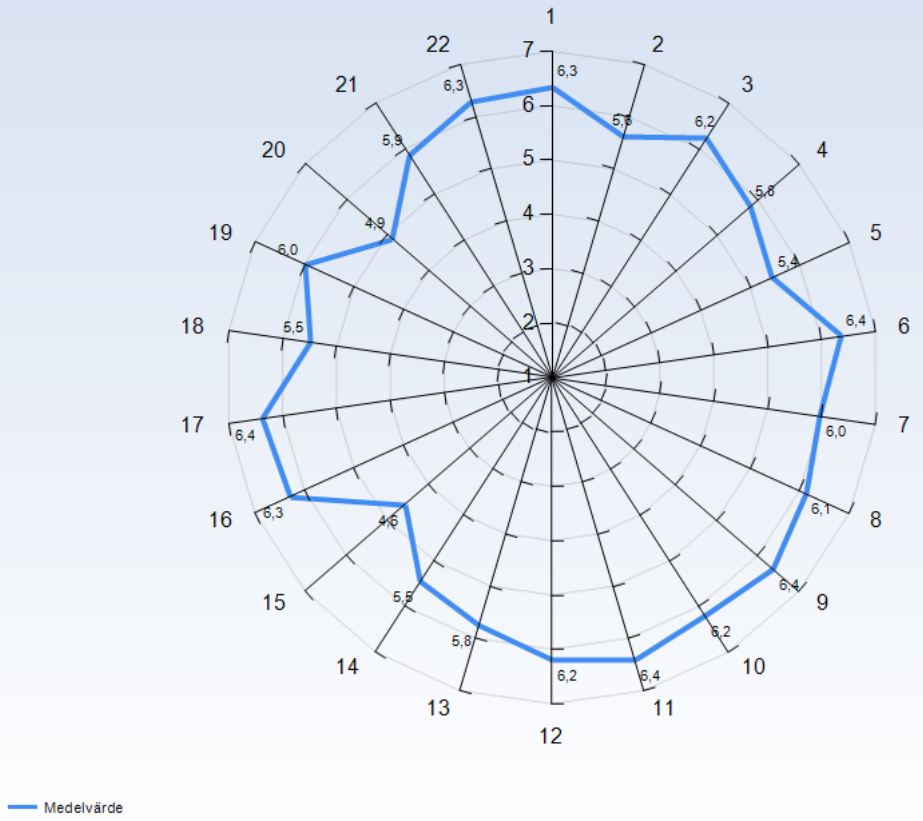
LEARNING EXPERIENCE

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.

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.

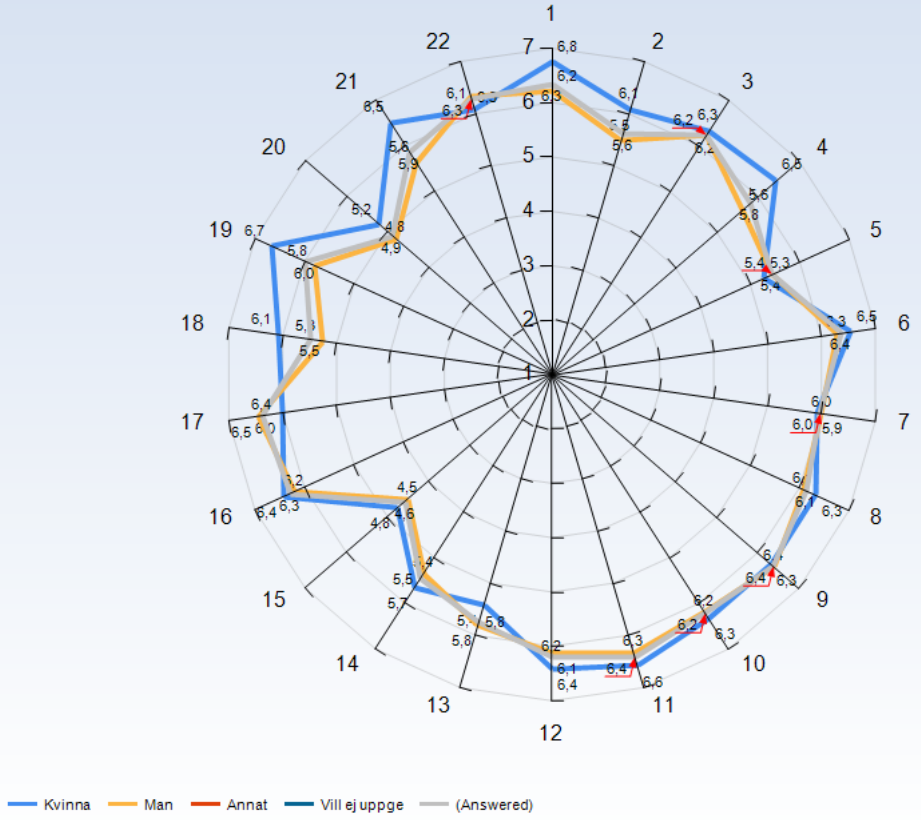
Biggs J. & Tang, C. (2011). *Teaching for Quality Learning at University*, Chapter 6, pp. 95-110. Maidenhead: McGraw Hill.

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

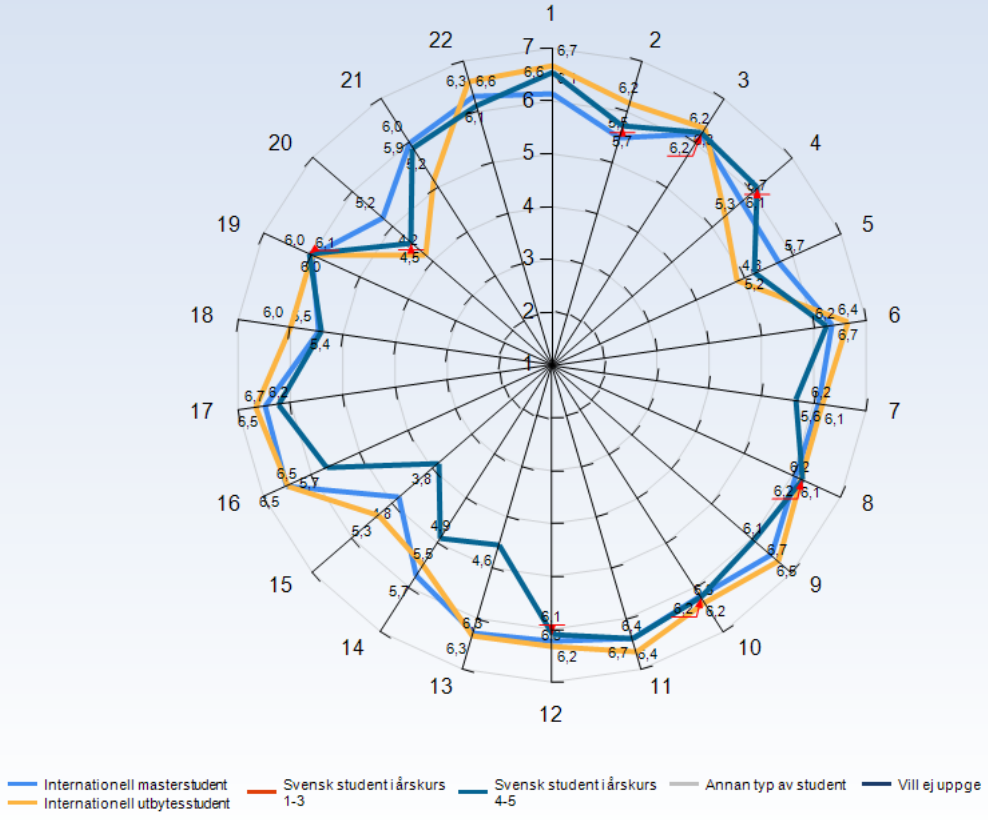


Comments

Comments (I am: Kvinna)
Nothing special about being a woman in this course. Very few other women, but that’s how all CS /IT courses are like

Comments (I am: Man)
Don't get this question...
Great inclusive atmosphere, I don't think I've witnessed any event discouraging diversity
Nothing to say.
White, EU citizen, heterosexual, male. Nothing special for an IT course in Sweden :) I felt great.
My sex didn't matter at all, as it shouldn't
Background in Informatics and second year MSc student in machine learning. In my BSc I had taken one introductory course in parallel and distributing computing and then 2 courses, one in parallel and one in distributed systems. I had also done a little project reviewing big data technologies (apache hadoop, nosql, etc.). Thus, a lot of the things we did, I had seen it before in the past (probably why I found remembering the system details quite pointless, especially for the exam). I have also taken two courses focusing on relational databases and have done quite a lot of SQL in the past.
I believe that my gender did not influence my perception or experience of this course.

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

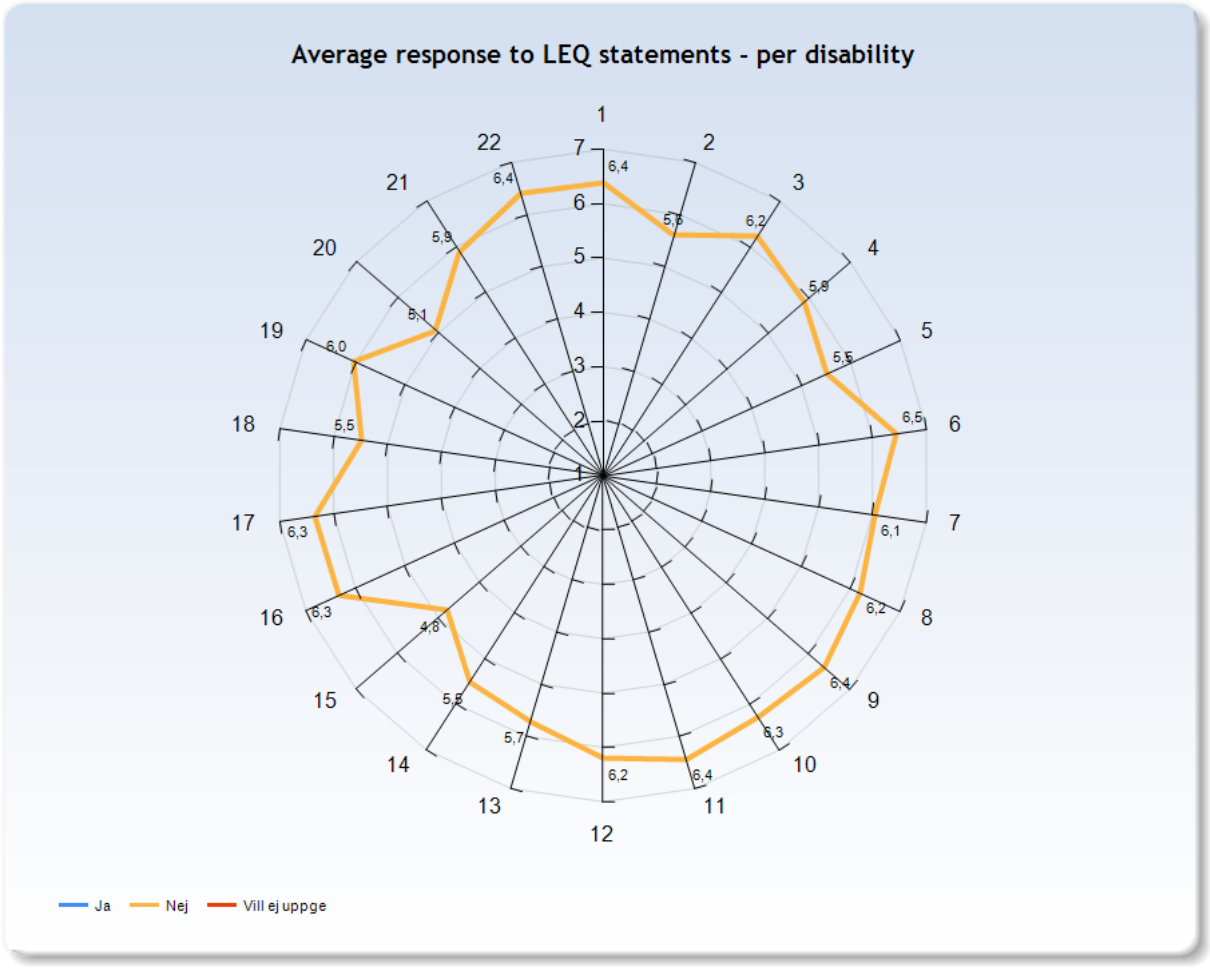
Comments

Comments (I am: Internationell masterstudent)
Nothing to comment.
EIT Master student (year 1 France, year 2 KTH)
I believe that this aspect did not affect my perception or experience of the course. The English used for teaching was good and allowed concepts to be understood.

Comments (I am: Internationell utbytesstudent)
It was related to the theories I have studied during my first year.
No problem getting integrated, lots of international as well
I'm a student from Politecnico di Milano. Compared to my home university, I liked the more practical approach (labs and final project). However in my home university theory is usually explained in more depth

Comments (I am: Svensk student i årskurs 4-5)
I have not studied any AI course so finding an interesting project that I could understand was difficult. It mostly seemed to be about AI. I would like more examples that are not AI.

Comments (I am: Annan typ av student)
Industrial Ph.d Candidate



Comments

Comments (My response was: Ja)

I have a migraine almost twice a week and it was really difficult for me to read. So I have missed 2 classes.

GENERAL QUESTIONS

What was the best aspect of the course?

What was the best aspect of the course? (I worked: 6-8 timmar/vecka)
Very good presentation of the different frameworks and architectures. The weekly readings/labs were a very good way to learn.
I liked the structure of the course. I liked that at the beginning of the class it was clear in which section of the course we were. I liked the summary at the end.
Nice teacher, good slides.
Lab assignments with Jupyter are just awesome!
The learning outcomes and the reading assignments and project.
The project
practical uses of current big data frameworks

What was the best aspect of the course? (I worked: 9-11 timmar/vecka)
The slides were really impressive and the lectures interesting
Important topics
Clear assignments and good instructions for setting up environments
The general overview of all the different big data tools and aspects.
Understanding what big data is. And learning different tools to deal with it. In addition, I'm so interesting to do my thesis in this field.

What was the best aspect of the course? (I worked: 12-14 timmar/vecka)
Very Rich content with the fair split between practice and theory
Good split between practice and theory.
We learnt a lot of interesting topics.
Practical assignments
The most practical and useful course in the entire program!
>> I liked the Reading Assignments. I have never had such in previous courses. They enabled me to learn in a new way and to get better at reading papers efficiently to find the main points. >> I also liked that I learned Scala during the Lab Assignments.
The mix of lectures, programming and scientifc reading and writing. The Prof was very kind, helpful and "positively-minded". One could feel that he likes the topics he taught
the lectures and the assignments and the freedom of choice for the project
Labs
The overall view of the tools (from File System to graphs)

What was the best aspect of the course? (I worked: 15-17 timmar/vecka)
The best aspect of the course was the assignments.
The structure! The course was extremely simple to understand. All courses should have such an organized web site. The prepaired powerpoints were amazing. I could read them before a lecture and feel that I truly understood the subject. They were probably some of the best powerpoints at my time at KTH. I also really liked that we got to read papers. It was a perfect trifecta. - I had amazing powerpoints that I could read before every lecture, so I understood everything that was said on the lectures. - I got to read about the details about specific topics, getting a greater understanding of the problems in the field and how they were solved. - I got to practice using the technology myself, with the assignments and project. This solidifies my knowledge gained during the course.
Wideness of topics
The labs and reading assignments were good and offered different ways to learn (ie both practical and theoretical). It was especially nice that they tied together, you would learn about a system through the reading assignment and then getting to use said system in a lab, then having some knowledge of how the system works "under the hood".
Using Jupyter Notebooks for the assignments.
The assignments
labs and reading assignments were useful for me to practice what I have learned and also to improve I literature review skills.

What was the best aspect of the course? (I worked: 18-20 timmar/vecka)
We studied the current state-of-the-art as well as founding platforms of the field. The slides and lab assignments were carefully curated
Very good organizational of the course and very relevant issues.
It was both theory and practical oriented.
Project and sublime slides.
The labs were great, they allowed us to learn the subject and the systems described in the course while still being reasonably challenging.
Teacher, the structure of the course, the way you could gather points through the assignments was very giving and it is good that all your grade is not baserad on one single exam. The labs had a very good level and very interesting
The course is really interesting, for me it is the most interesting course I ever had an opportunity to listen. The professor is best, he explained everything in detail and never had a problem with repeat something. Assignments were also very good because we could learn how is all that used in practice.
The lab assignments, was a good way to see how the systems work in practice.
The course have assignment with specific purpose which helps to learn.

What was the best aspect of the course? (I worked: 21-23 timmar/vecka)
The lab assignments and the clear structure of the lecture
It is an interesting subject
Way of teaching was good and comprehensible.

What was the best aspect of the course? (I worked: 24-26 timmar/vecka)
The broad and integrated view that teacher offered is really great.

What was the best aspect of the course? (I worked: 30-32 timmar/vecka)
The whole course. Reading papers alongside doing labs can be tricky but it was interesting since I learned to read papers effectively and to interpret graphs.

What was the best aspect of the course? (I worked: > 41 timmar/vecka)
The course described clearly the critical technology trends that enable cloud computing offer services and applications. The course also covers a wide range of advanced topics in data-intensive computing, including distributed file systems, NoSQL databases, batch data and streaming data processing, graph processing, and resource management. Most of all, the organization and flow of the course is really great.

What would you suggest to improve?

What would you suggest to improve? (I worked: 6-8 timmar/vecka)
I would say that a real-world case study could be an interesting point. Also, I ended up working with the same lab partner for all the projects... Maybe requiring that they have to be different could be a good thing for togetherness? Not sure though, it also means more friction for students.
More flink!
Maybe something more challenging for some bonus points for people who knew something in a topic
Optional assignments to explore more deeply some concepts or libraries to be more ready for the project.
I would include maybe more reading assignments and labs (to learn different platforms than Spark) and reduce weight (or even remove) the final exam.
Less focus on specific systems, more focus on understanding the methods used to solve the problems. In my opinion it is more important to understand the techniques that can be used than remembering which systems exactly use what kind of techniques to deal with a problem. E.g. Remembering how vector clocks work in detail is much more interesting than knowing than Dynamo uses them. Or knowing how RDDs work in detail, etc. I do not see the point of remembering the specifics of old systems or systems that will go out of date in a few years. Going through them is interesting but it should not be the focus of the course.
Reading assignments are intensive but definitely worth it to deeply understand a framework. I would do away with the exam. Like other courses, one could provide weekly canvas quizzes to make sure students understand the topic. The project should have more value as it is interesting and let's students discover different tools and approaches. However, there should be a computing environment available to ensure that reasonably large scale datasets can be processed.
not much i thought it was great!

What would you suggest to improve? (I worked: 9-11 timmar/vecka)
Schedule better classrooms for all the lectures, we had 2 lectures where this was so overcrowded.
Some systems were covered in 100 slides while others 5.
Fewer and deeper assignments.
The slides were extremely long, and the exam was a bit too focused on small details. I would recommend summarizing the slides or creating some content that is easier to manage.
I would suggest to have more details about Cassandra. Especially, in practical part.

What would you suggest to improve? (I worked: 12-14 timmar/vecka)
Maybe add one/two more lecture session so that we can go through all slides without hurrying
Nothing
We cover content too quickly. I think it is better to allocate more time to certain topics. Some of the topics were rushed.
Slides are unclear
Reduce the number of course materials so that the students could get along easier
Descriptions of the Lab Assignments could be made more clear in future instances of the course.
After having written (and studied) for the exam, realized how dense the content was. Maybe 2 or 3 concepts/tools less might be better do keep them in memory for a longer period.
* update the course so that it incorporates the new grading structure * more group discussion with other course members (eg. seminars)
Exam exercises in class
I'd like having a more in-depth perspective on selected tools, since papers gives much more informations than lectures

What would you suggest to improve? (I worked: 15-17 timmar/vecka)
Sometimes it was difficult to understand how to solve the assignments. The tools have poor documentation and are not always intuitive. I would prefer to be able to ask someone, like maybe a teachers assistant. I understand that it would be unreasonable to get help on the assignments as they are graded but I would love to have extra assignments that we could go to tutorial sessions with and get help on. I still feel uncomfortable using SparkSQL. It is like magic to me. I understand how it works and what is happening but writing the code is hard. It was very hard to understand how we should choose a project. I would prefer better examples cause I did not really understand what they did on the examples. If I could have seen code from previous projects then I would have understood more I think.
Dive deeper in specifics
The lab descriptions had minor errors (such as misspellings in terminal commands and the like). The course could be a bit clearer about what you "need" to know, ie what you will be tested on. This, because the lectures cover a lot, there are many lectures and it could be hard to make the time to learn the ins and outs of exactly every system (eg every parallel processing framework etc) that is covered on the course.
Bundling the expected output (even in an different order) to be able to know if the assignment has been done successfully.
Clearer project definition and expectations

What would you suggest to improve? (I worked: 18-20 timmar/vecka)
A bit har to understand what was important for the exam. It would have been nicebto receive more feedback on assignments and not only bonus points.
-
Maybe decrease the amount of systems covered in the course. It could sometimes be a bit overwhelming with all the material.
Make it clearer what the scores of each assignment are for, what we are expected to do to fulfill them. The reading assignments could also have clearer instructions and grading criteria. Though I don't really see why we have them since reading comprehension isn't part of the course plan. I also find it odd to have both an exam and a project, since even courses that have both usually just require that students do one of them. It may also be good to have clear semantics, naming things consistently for the course rather than adopting the often arbitrary naming standards different systems use for the same functionality, such as "tuples" and "records" in streaming or the various names for "master".
Perhaps the schedule could change a bit so that we have more lectures because I still feel that there are a lot more to cover.

What would you suggest to improve? (I worked: 21-23 timmar/vecka)
Make the reading assignments less extensive, takes long time to read both the papers and then we spent approximately 4h writing and formulating answers to the questions. I think this would go much faster if we skipped the strong and weak points section
1. Make it clear how the grading system work 2. Add session where we could ask for help about the labs 3. It is hard to make the labs run on a window computer. And they are not possible, as far as I succeed, to run on the computers of KTH because somethings you are not allowed to install there. Think it would be nice if it were possible to run the labs on the kth computers. Programs can be ordered to be installed by the professor.
It felt that the total workload was actually high, especially the project combined with the exam in the end.

What would you suggest to improve? (I worked: 24-26 timmar/vecka)
Nothing more.

What would you suggest to improve? (I worked: 30-32 timmar/vecka)
The paper review is important. I suggest that if the TA notices a very nice and well done and presented review, he can advice those who are not doing a good review to consult or get in touch with people who are doing well. This way, we say we are learning through collaboration rather than having a winning group that gets all the marks and a losing group that gets less or no marks at all. This is a good student to student collaboration since the teacher might not have time to handle a large class and give everyone feedback to improve.

What would you suggest to improve? (I worked: > 41 timmar/vecka)
I way it is now is really great.

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)
Try to stay up to date with the lectures, as the readings and labs are related to what was learned during the previous week.
Follow classes and pay attention to the examples.
Relax, this is an easy course.
Do the assignments in advance, even before the corresponding class. That way it will be harder but you will learn much more and understanding the class becomes really easy.
Study every week a little bit.
Really understand the terms used throughout the course and make sure one can write pseudocode for different frameworks.
get enthusiastic about it

What advice would you like to give to future participants? (I worked: 9-11 timmar/vecka)
More concrete demonstrations and ideas on what to do in the final project. Many of my peers were confused on what to do because the scope felt unclear.
The reading assignments are easy to just finish early and the assignments are fairly straightforward so just do them shortly after they are posted.
Start studying the exam as soon as possible.
My advice is, if you really like to learn what big data is, and you are interesting to go deep with this field. Then, this course is your first step.

What advice would you like to give to future participants? (I worked: 12-14 timmar/vecka)
Nothing
Study regularly.
Take notes
>> Start early on Lab 1 since it can be annoying to not be able to print during debugging, which makes it more time consuming than necessary. >> Read the lecture slides and make sure to know as much as possible about the different streaming frameworks and graph models.
focus on the practical side

What advice would you like to give to future participants? (I worked: 15-17 timmar/vecka)
Read the powerpoints before the lectures. You can probably do it in 30-45 minutes and then the lecture will be so much better.
Use the tools in environments outside class
Try to repeat the contents of every lecture soon after it has been given. And try to attend the lectures.
Review the lectures the same day in the evening.

What advice would you like to give to future participants? (I worked: 18-20 timmar/vecka)
Have a review of the reading assignments before coming to class. However, the instructor will again explain everything you need to know.
Go to the lectures and pay attention, it is interesting and helps a lot with the exam.
Go through lectures before you attend the lecture
Enroll this course, you won't regret it
Read the papers linked to each lecture.

What advice would you like to give to future participants? (I worked: 21-23 timmar/vecka)
Attend the lectures
Start with the RA asap.

What advice would you like to give to future participants? (I worked: 24-26 timmar/vecka)
Enjoy it.

What advice would you like to give to future participants? (I worked: 30-32 timmar/vecka)
Get onto the course from the beginning. Don't wait two or three weeks later to start, the situation gets busy and really intense from the middle towards the end of the course.

Is there anything else you would like to add?

Is there anything else you would like to add? (I worked: 6-8 timmar/vecka)
I felt the course was too rich, too much information and details about each architecture. Maybe focusing on just one streaming system (flink maybe) would have been better.
Nice teacher.
i really enjoyed the course and got a lot out of it. it wasn't in my program requirements but i feel like it should be. i'm in the CS masters program on the data science track.

Is there anything else you would like to add? (I worked: 9-11 timmar/vecka)
More demonstrations of real world examples and usability.

Is there anything else you would like to add? (I worked: 12-14 timmar/vecka)
Would be grateful if the course could go a bit more detail regarding chubby the zookeeper, also interesting to know more about distributed machine learning
Nothing
No
The only thing I would like to mention again is to reduce the course materials. I believe there were too many things to read which can be pruned. In addition, we had only access to one previous exam. I guess at least 3 previous exams is necessary in order to know how to prepare for exam.
Overall an interesting course. To know about these frameworks will for sure be useful in the future.
Amir is a great person. He always helped, answered emails/discussion questions very quickly and I felt motivated by him. It was a great course!

Is there anything else you would like to add? (I worked: 15-17 timmar/vecka)
Great course! Totally one of the best courses on KTH!

Is there anything else you would like to add? (I worked: 18-20 timmar/vecka)
This has been one of the best courses I have ever had.
The grading system is very well designed. Every type of examination in the course contributes to the final grade but is not in itself necessary to pass the course. So if for example you miss one assignment/the exam you can still pass.
Not really.

Is there anything else you would like to add? (I worked: 21-23 timmar/vecka)
Just make it clear from the beginning that the exam is non-obligatory.

Is there anything else you would like to add? (I worked: 24-26 timmar/vecka)
N/A

Is there anything else you would like to add? (I worked: 30-32 timmar/vecka)
It was a perfect course to get me started in Data Science or Engineering field and hopefully, it will help me with my thesis. I plan to take a couple of courses related to this.

Is there anything else you would like to add? (I worked: > 41 timmar/vecka)
Yes, i would really like to thank the teacher of the course for organizing the course layout in a good structure and in a simply way so that it will be simple for students to memorize the concepts.

SPECIFIC QUESTIONS

What is your overall impression of the course? (Very Good, Good, Acceptable, Bad, Very Bad)

What is your overall impression of the course? (Very Good, Good, Acceptable, Bad, Very Bad)
Very Good
Very good
Very Good
Very good
Good
Good
Good
Very good
Very Good
Good
Very good.
Vg
Very good
Very Good
Very Good
Acceptable
Acceptable
Good
Very good
Good

20 (46)

Give your evaluation of the lectures (Very Good, Good, Acceptable, Bad, Very Bad)

Give your evaluation of the lectures (Very Good, Good, Acceptable, Bad, Very Bad)
Very Good
Very good
Very Good
Very good
Good
Good
Very good
Very good
Very good
Good
Very good.
Vg
Good, but sometimes some slides where gone through to fast so it was hard to fully understand one thing before the next thing was explained.
Good
Good (needs more real-world case studies imo)
Acceptable
Acceptable
Good
Good
Acceptable

20 (46)

Give your evaluation of the course material including lecture notes (Very Good, Good, Acceptable, Bad, Very Bad)

Give your evaluation of the course material including lecture notes (Very Good, Good, Acceptable, Bad, Very Bad)
Very Good
Very good
Very Good
Good. Nice summary at the last lecture
Good
Good
Good
Very good
Very good
Very good
Very good
Vg
Very good
Very Good
Very Good
Good
Acceptable
Good
Good
Good

20 (45)

Give your evaluation of the reading assignments (Very Good, Good, Acceptable, Bad, Very Bad)

Give your evaluation of the reading assignments (Very Good, Good, Acceptable, Bad, Very Bad)
Very Good
Good
Very Good
Acceptable
Acceptable
Good
Acceptable
Very good
Very good, but more feedback should be provided
Very good
Very good overall
Vg
Good
Very Good
Very Good (reading the papers backing the technologies we're using is such a great thing)
Good
Good
Very good
Good
Very good

20 (45)

Give your evaluation of the lab assignments (Very Good, Good, Acceptable, Bad, Very Bad)

Give your evaluation of the lab assignments (Very Good, Good, Acceptable, Bad, Very Bad)
Very Good
Good
Very good
Good
Good
Good
Acceptable / Bad.. ?
Very good
Very good
Good
Very good.
G
Very good
Good
Good (maybe almost too easy sometimes?)
Good
Very good
Very good
Very good
Good

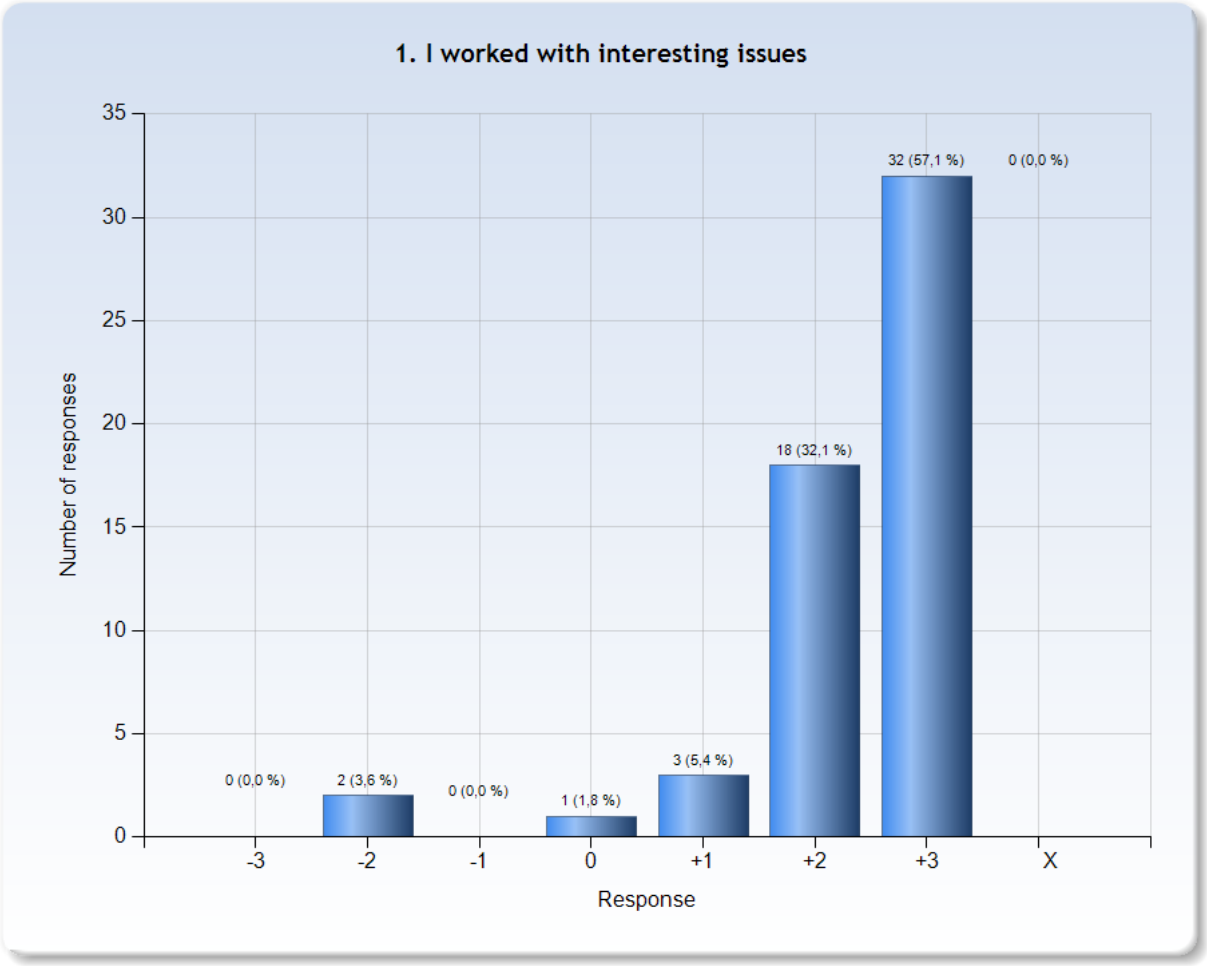
20 (45)

RESPONSE DATA

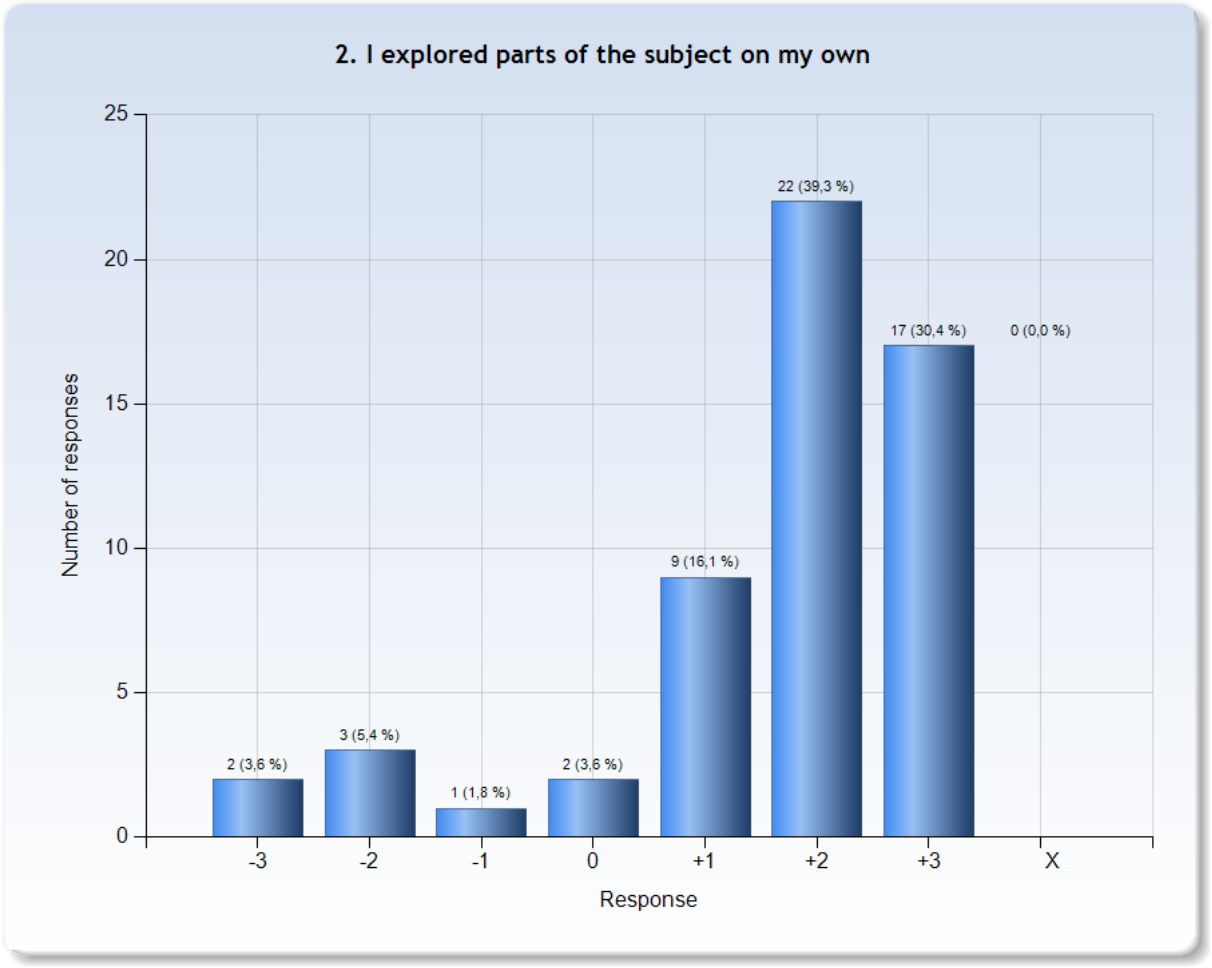
The diagrams below show the detailed response to the LEQ statements. The response scale is defined by:

-3 = No, I strongly disagree with the statement
0 = I am neutral to the statement
+3 = Yes, I strongly agree with the statement

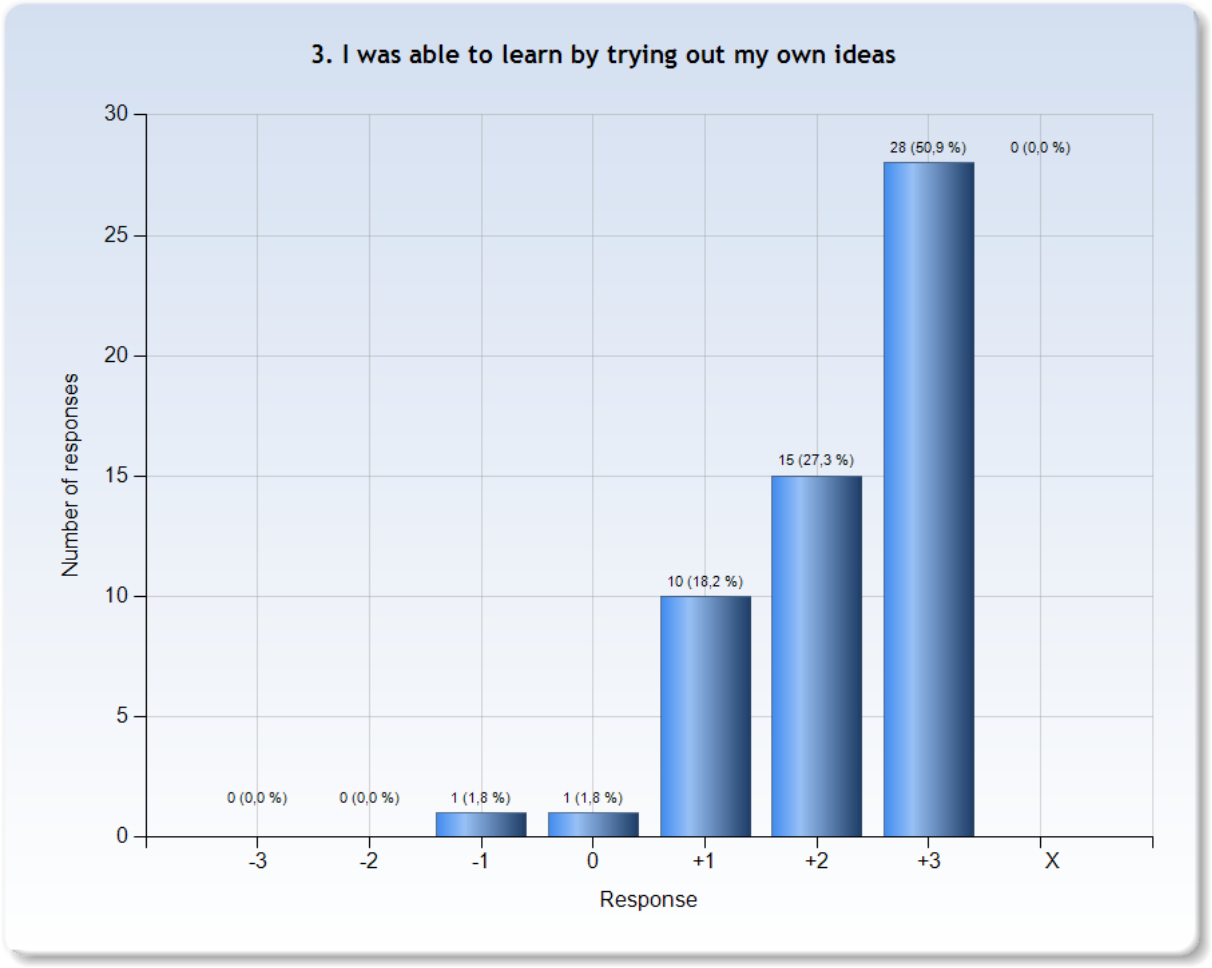
X = I decline to take a position on the statement



Comments

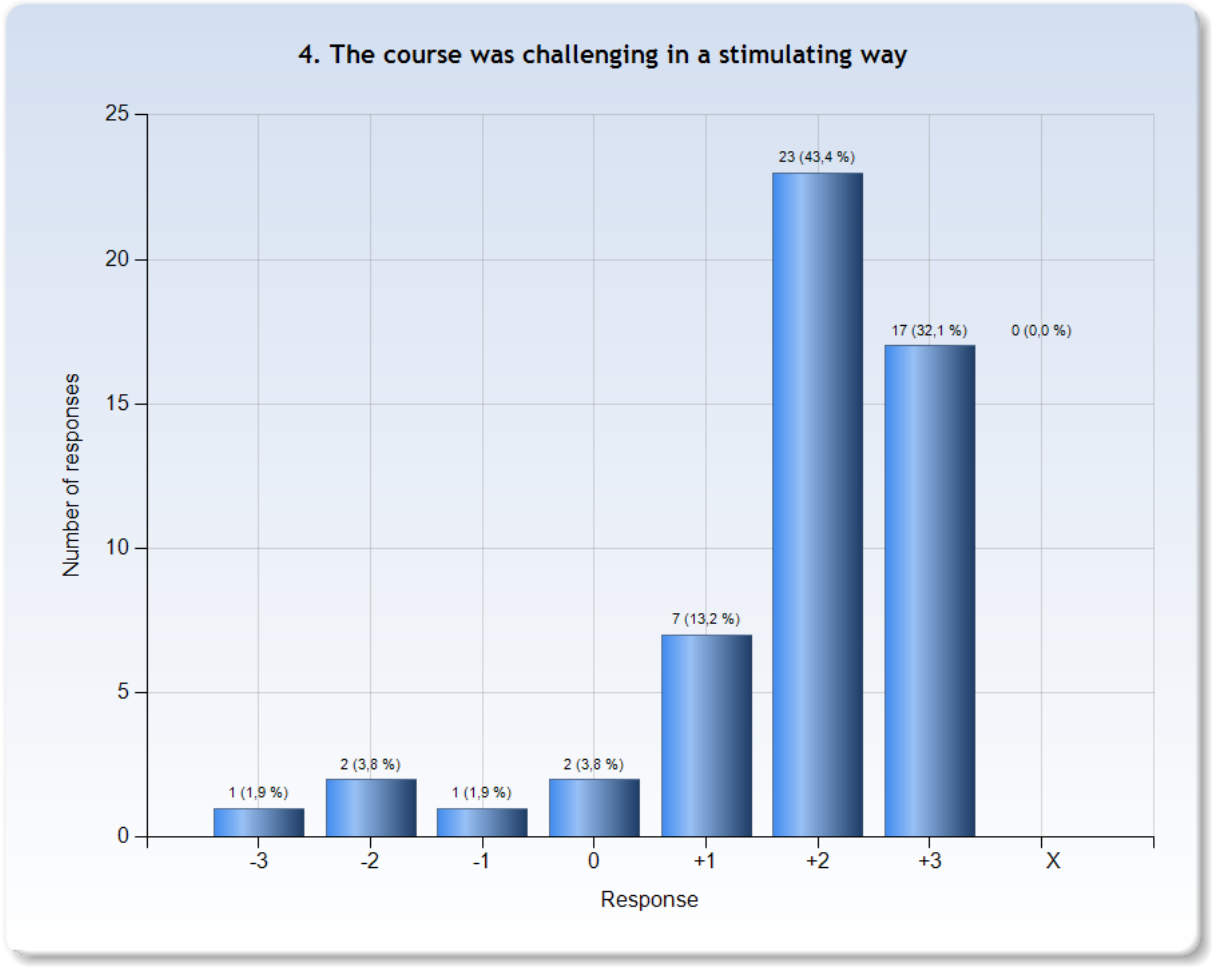

2. I explored parts of the subject on my own
Number of responses
25
20
15
10
5
0
2 (3,6 %)
3 (5,4 %)
1 (1,8 %)
2 (3,6 %)
9 (16,1 %)
22 (39,3 %)
17 (30,4 %)
0 (0,0 %)
-3
-2
-1
0
+1
+2
+3
X
Response

Comments

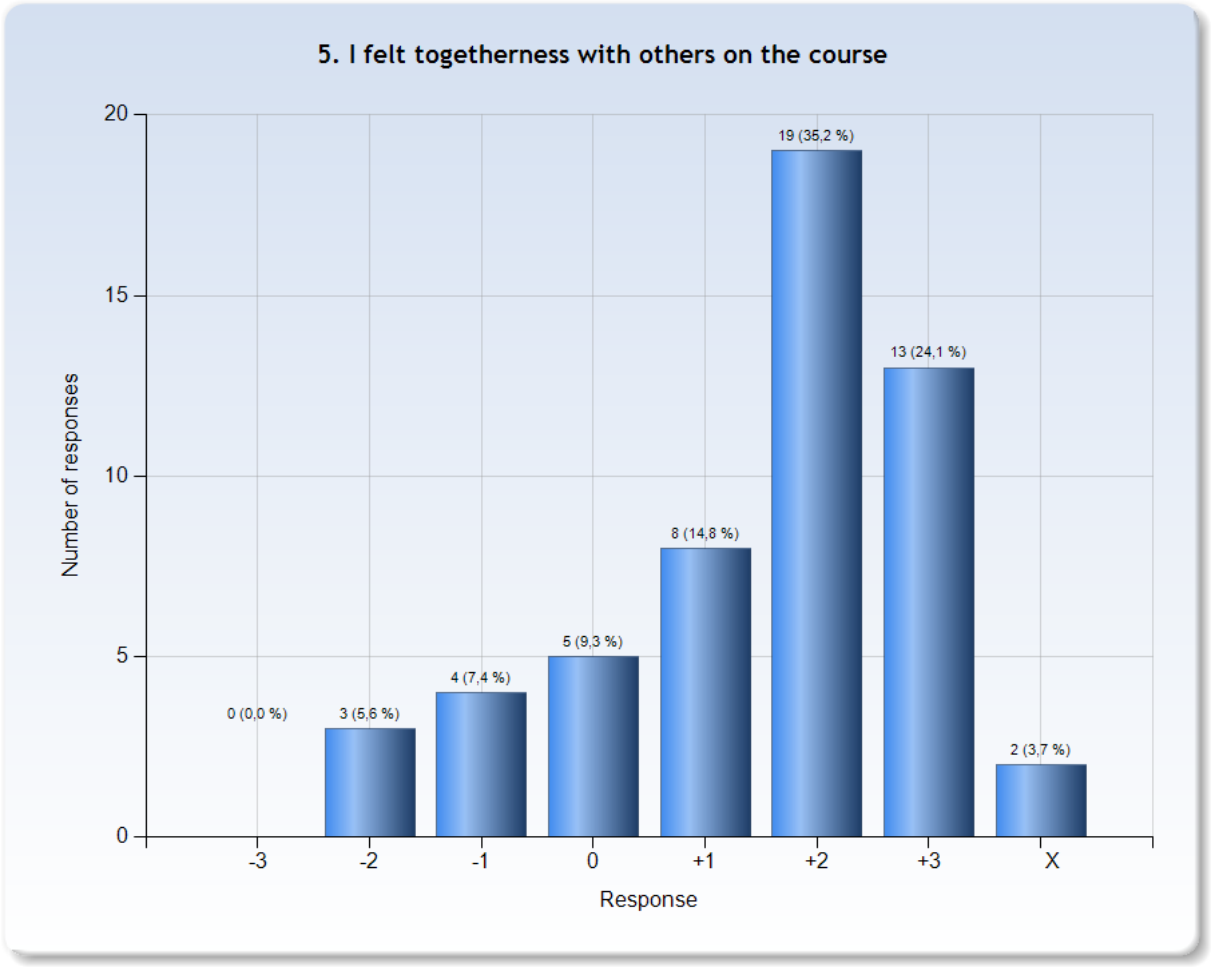


Comments

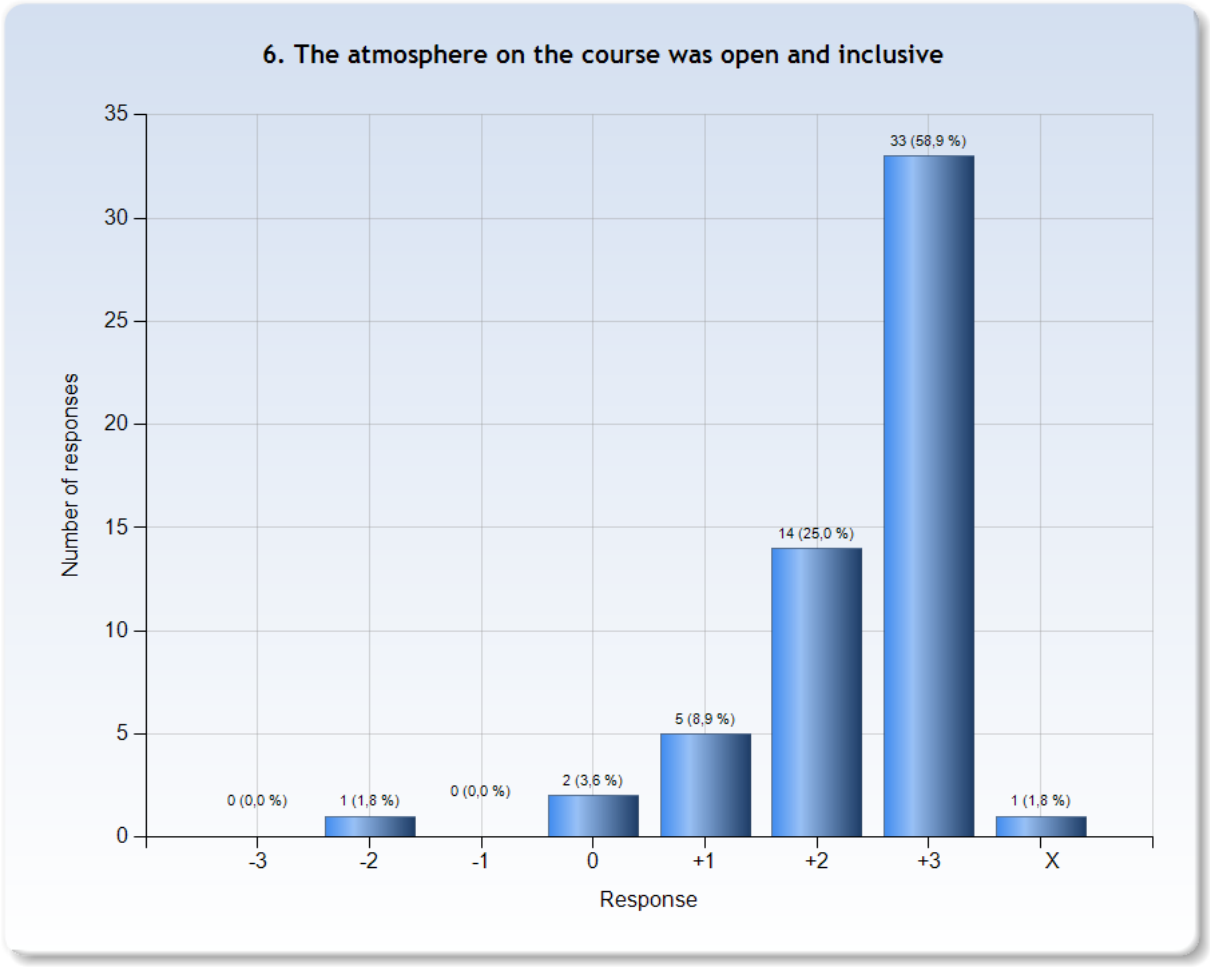
Comments (My response was: +2)
True for the project


4. The course was challenging in a stimulating way
Number of responses
25
20
15
10
5
0
1 (1,9 %)
2 (3,8 %)
1 (1,9 %)
2 (3,8 %)
7 (13,2 %)
23 (43,4 %)
17 (32,1 %)
0 (0,0 %)
-3
-2
-1
0
+1
+2
+3
X
Response

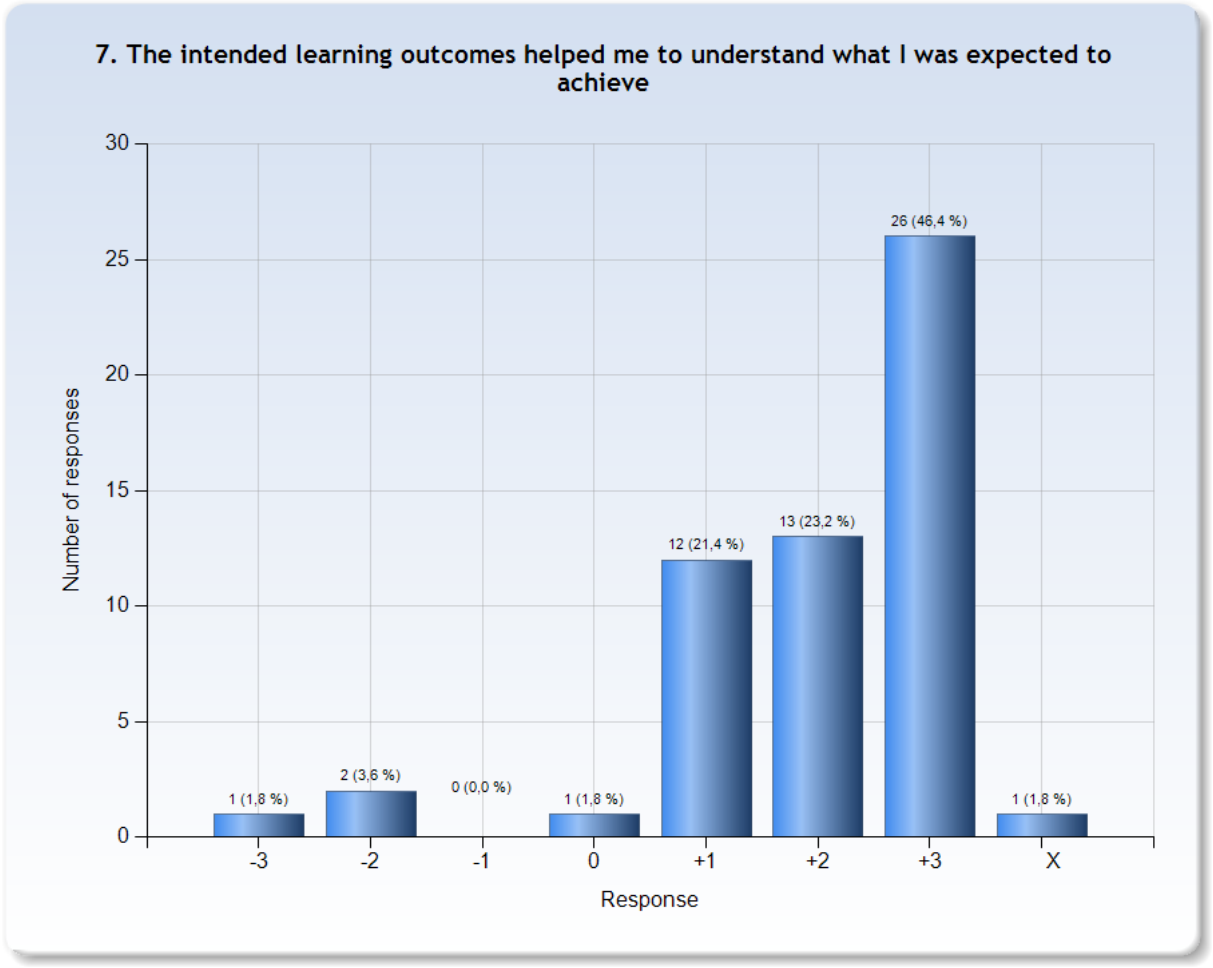
Comments


5. I felt togetherness with others on the course
Number of responses
20
15
10
5
0
0 (0,0 %)
3 (5,6 %)
4 (7,4 %)
5 (9,3 %)
8 (14,8 %)
19 (35,2 %)
13 (24,1 %)
2 (3,7 %)
-3
-2
-1
0
+1
+2
+3
X
Response

Comments

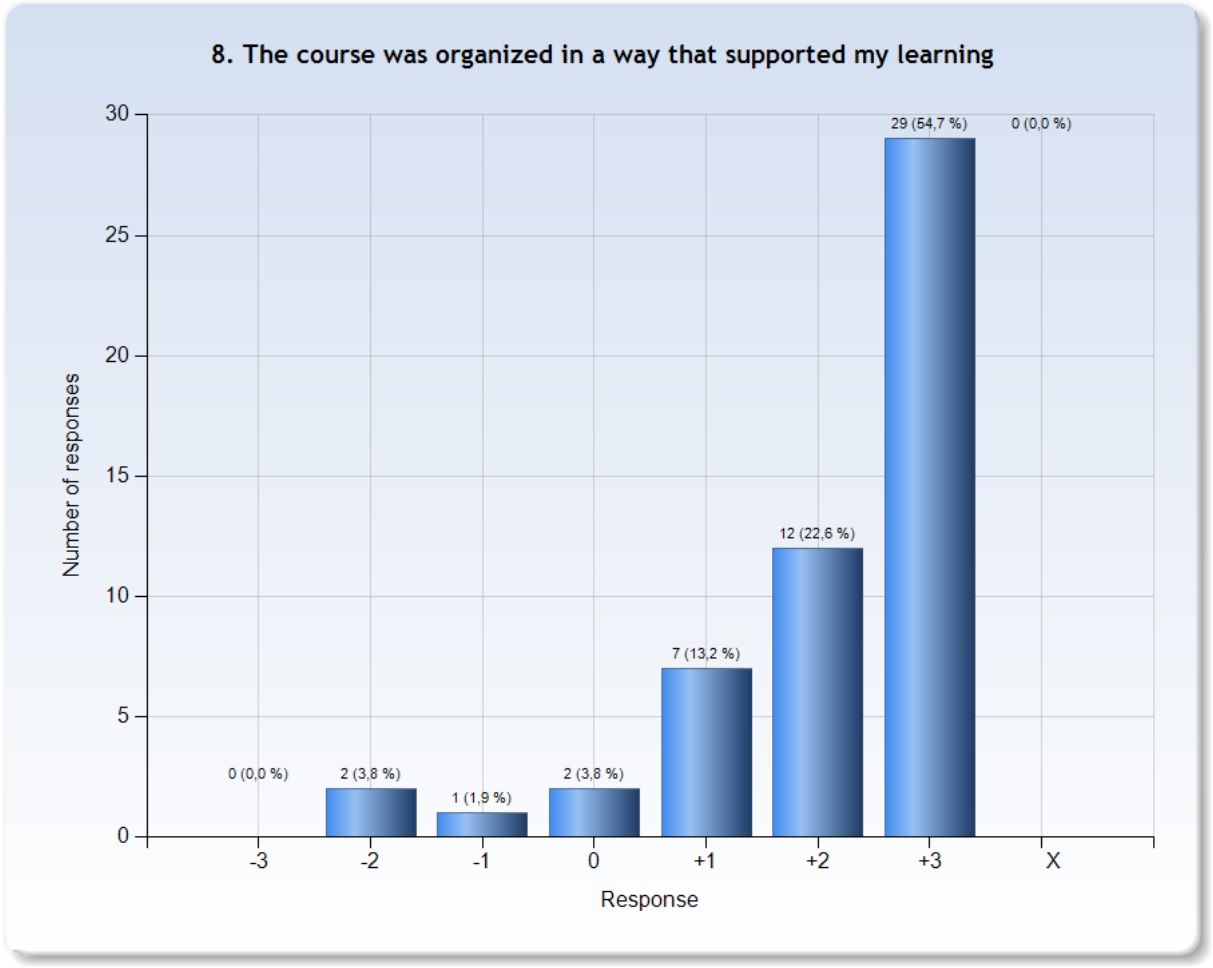

6. The atmosphere on the course was open and inclusive
Number of responses
35
30
25
20
15
10
5
0
0 (0,0 %)
1 (1,8 %)
0 (0,0 %)
2 (3,6 %)
5 (8,9 %)
14 (25,0 %)
33 (58,9 %)
1 (1,8 %)
-3
-2
-1
0
+1
+2
+3
X
Response

Comments



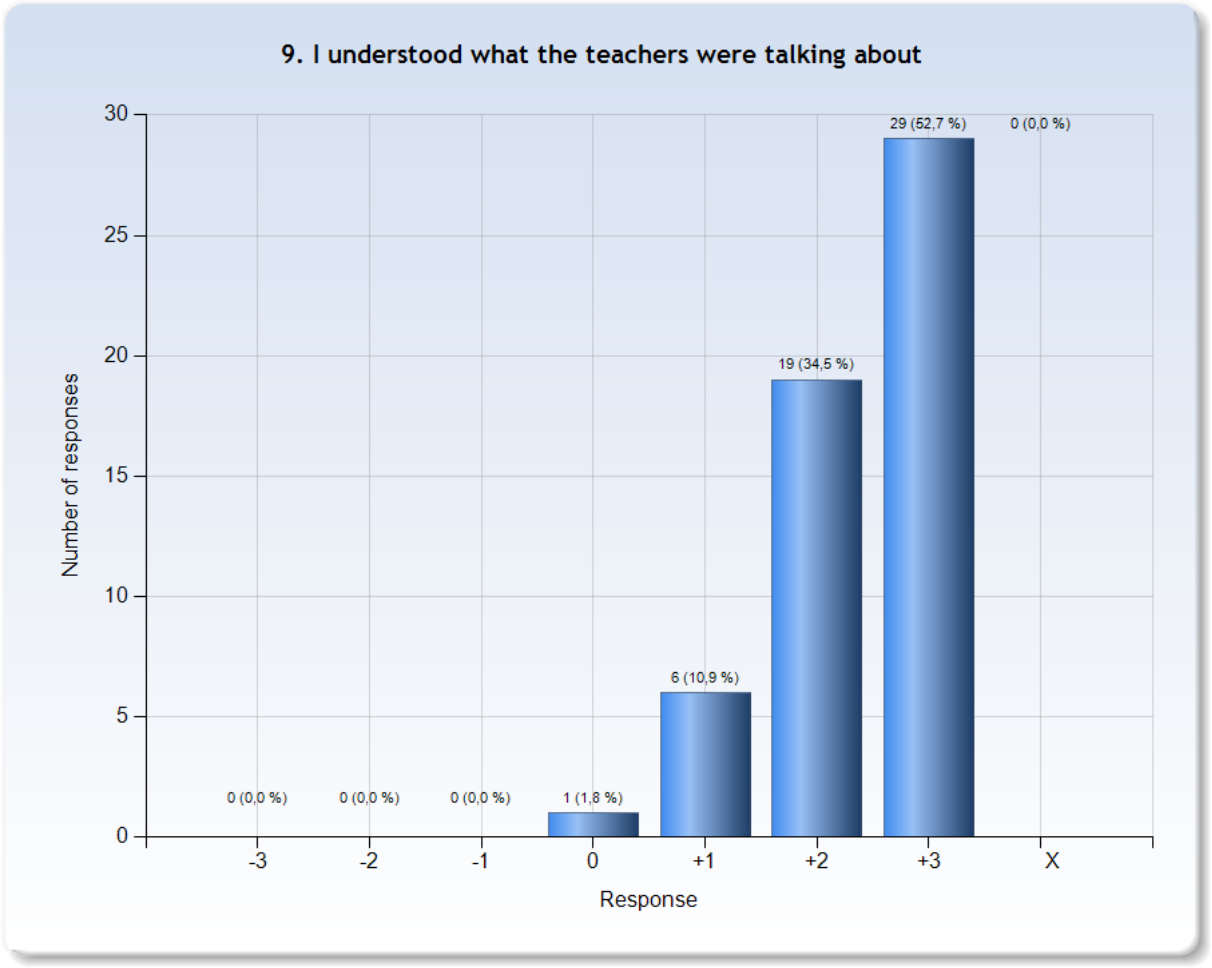
Comments

Comments (My response was: -3)
Very unclear what to learn to pass the course

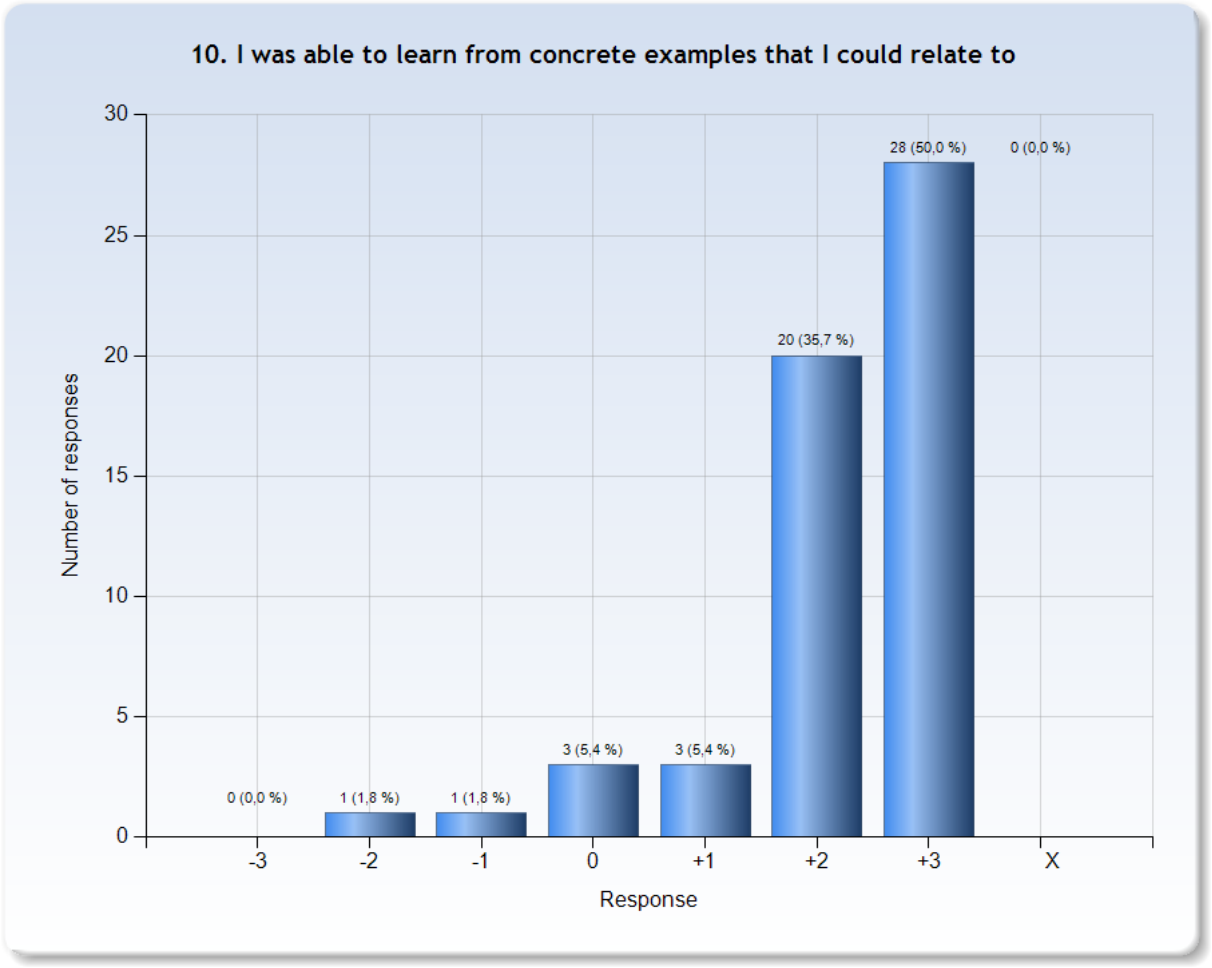


Comments

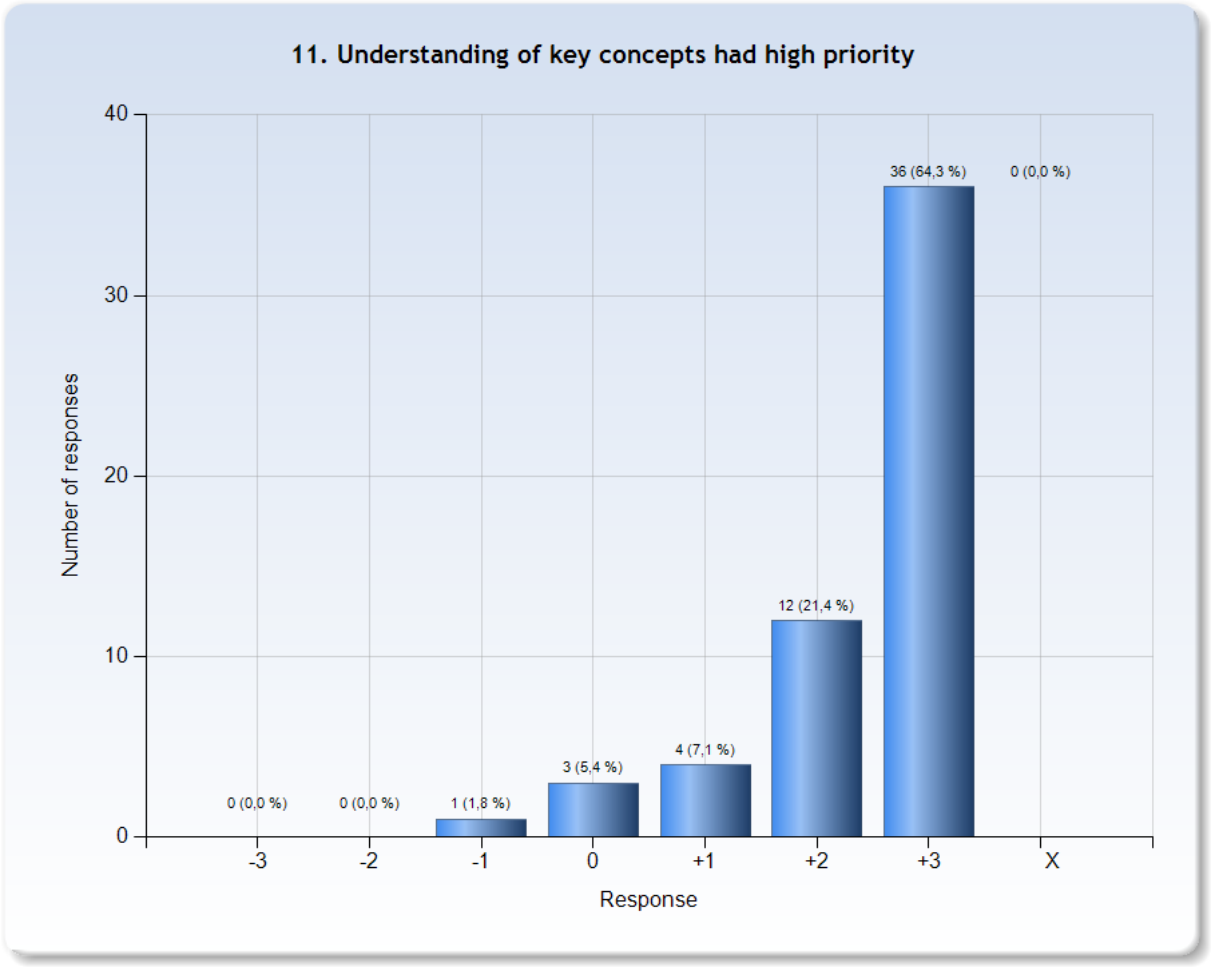
Comments (My response was: +1)
Canvas quizzes might be better than final exam


9. I understood what the teachers were talking about
Number of responses
30
25
20
15
10
5
0
0 (0,0 %)
0 (0,0 %)
0 (0,0 %)
1 (1,8 %)
6 (10,9 %)
19 (34,5 %)
29 (52,7 %)
0 (0,0 %)
-3
-2
-1
0
+1
+2
+3
X
Response

Comments

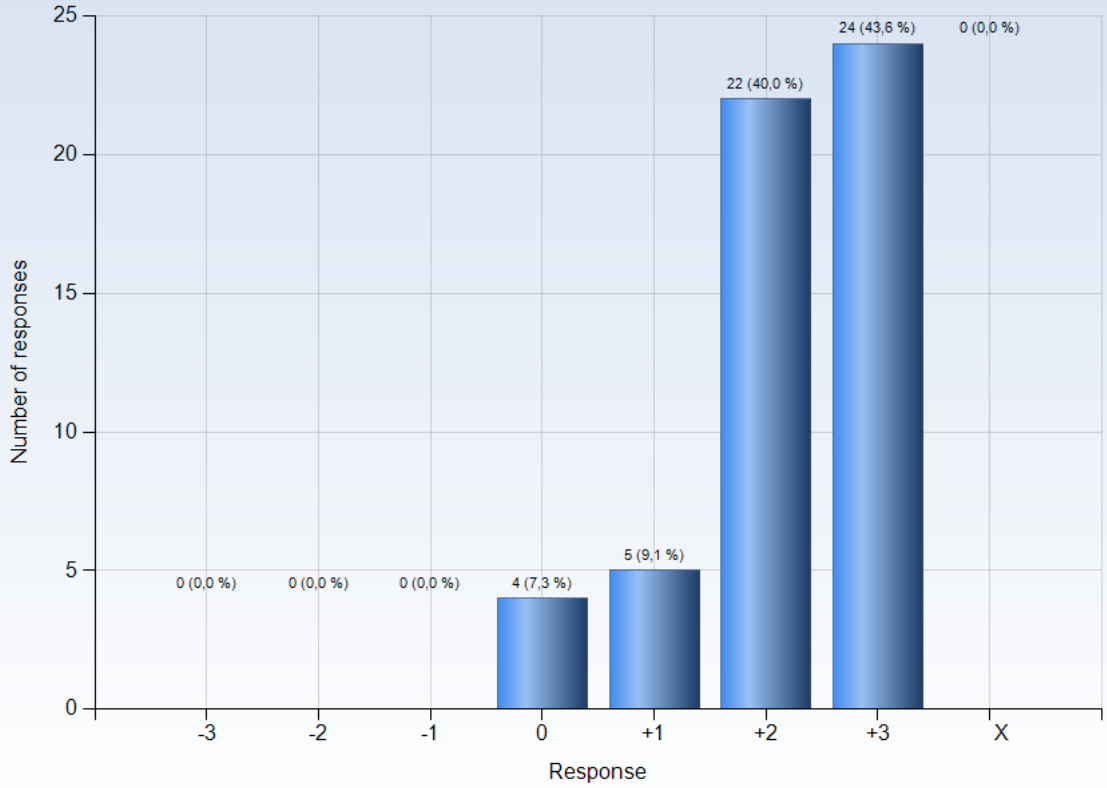

10. I was able to learn from concrete examples that I could relate to
Number of responses
30
25
20
15
10
5
0
0 (0,0 %)
1 (1,8 %)
1 (1,8 %)
3 (5,4 %)
3 (5,4 %)
20 (35,7 %)
28 (50,0 %)
0 (0,0 %)
-3
-2
-1
0
+1
+2
+3
X
Response

Comments

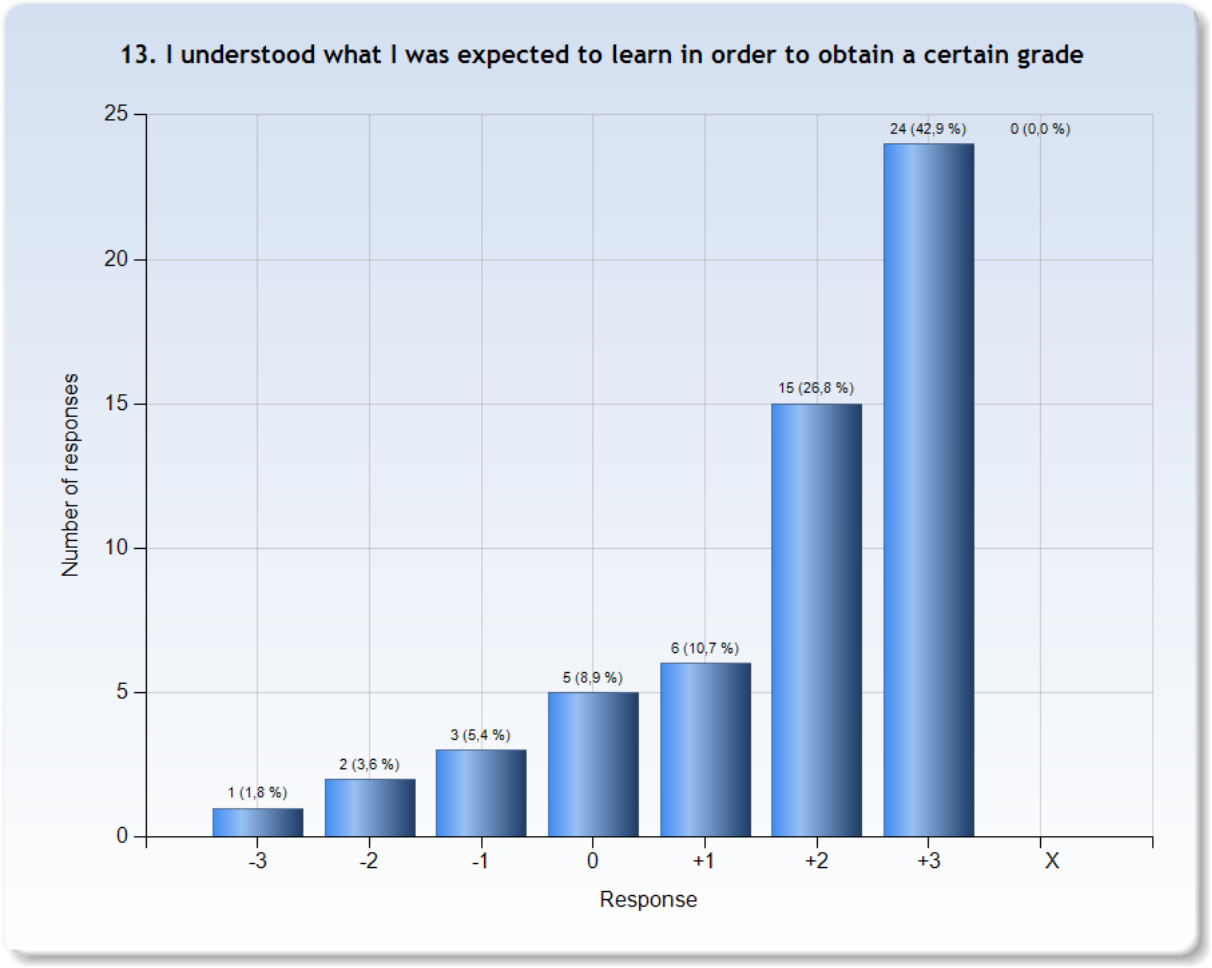

11. Understanding of key concepts had high priority
Number of responses
40
30
20
10
0
0 (0,0 %)
0 (0,0 %)
1 (1,8 %)
3 (5,4 %)
4 (7,1 %)
12 (21,4 %)
36 (64,3 %)
0 (0,0 %)
-3
-2
-1
0
+1
+2
+3
X
Response

Comments

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



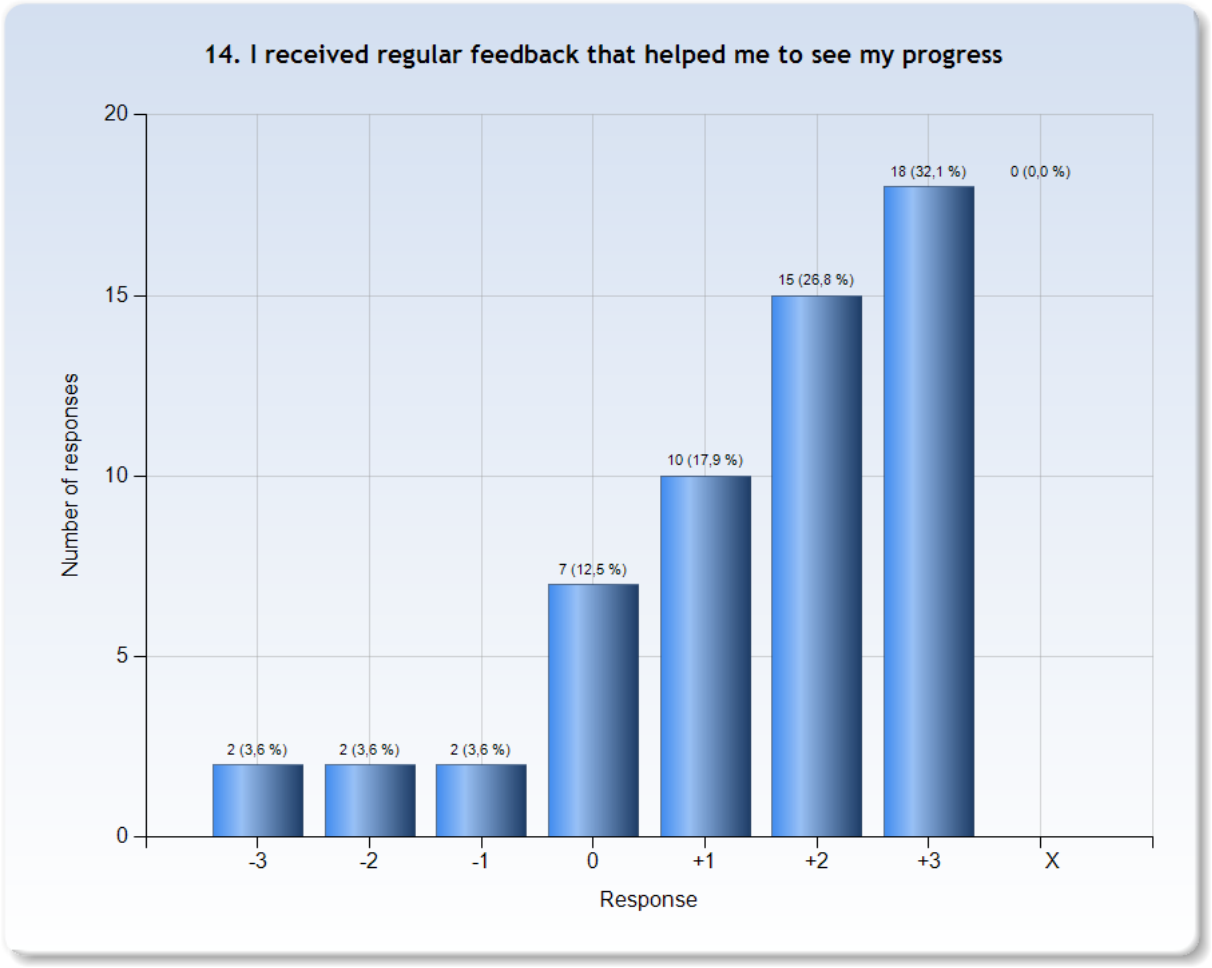
Comments



Comments

Comments (My response was: -2)
No clear statement that the exam is non-obligatory

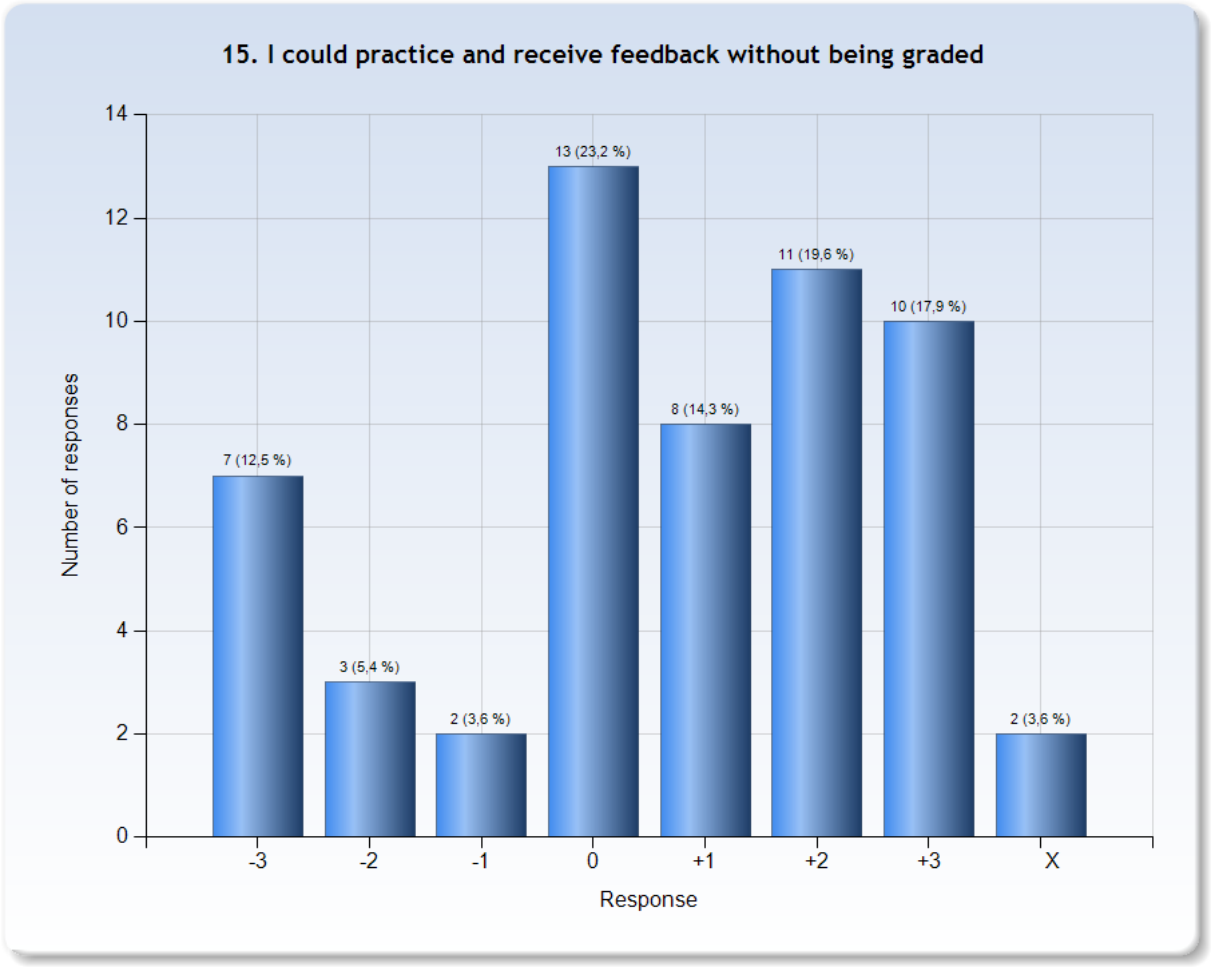
Comments (My response was: +1)
One sample exam hinted on what is being demanded



Comments

Comments (My response was: -2)
No feedback on reading assignments

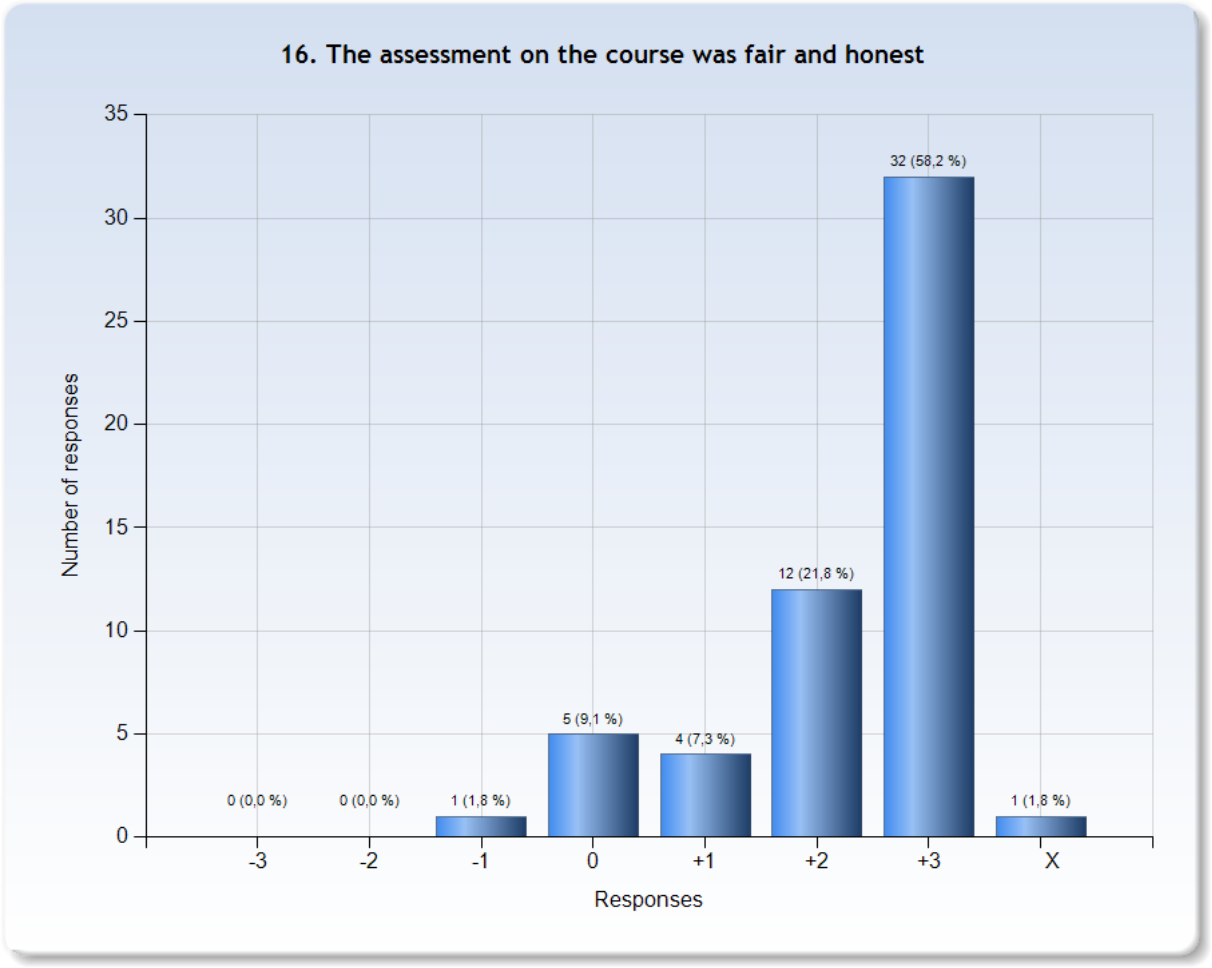
Comments (My response was: -1)
no comments on assignments



Comments

Comments (My response was: -3)
we could not resubmit our assignments

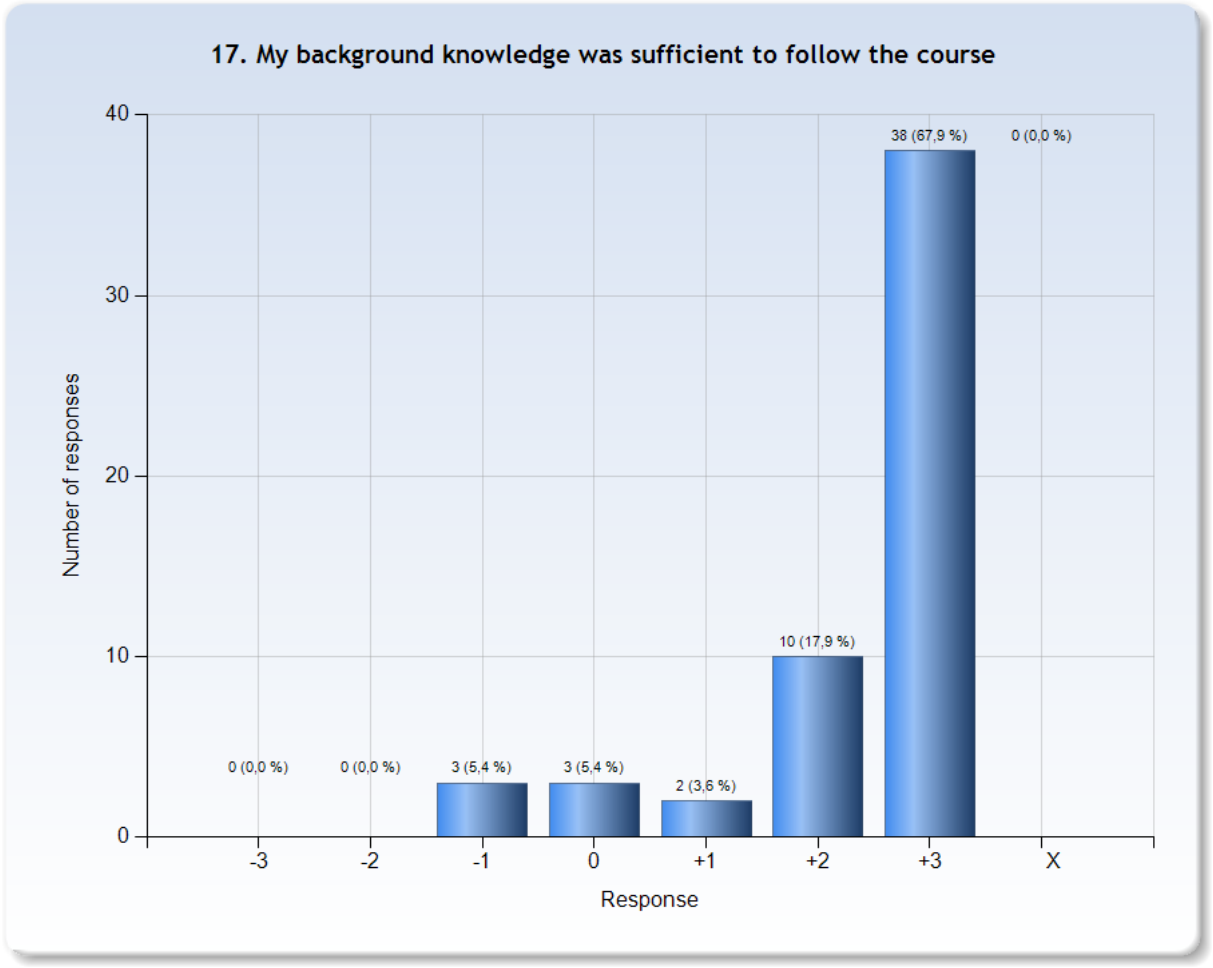
Comments (My response was: X)
Didn't practice on my own nor did I ask for feedback.
I don't know, I mean I can practise at home if I want to and it is not going to be graded but this is true to all courses



Comments

Comments (My response was: -1)
It's not clear what the assignment points represent, is there some criteria we are expected to fulfill?

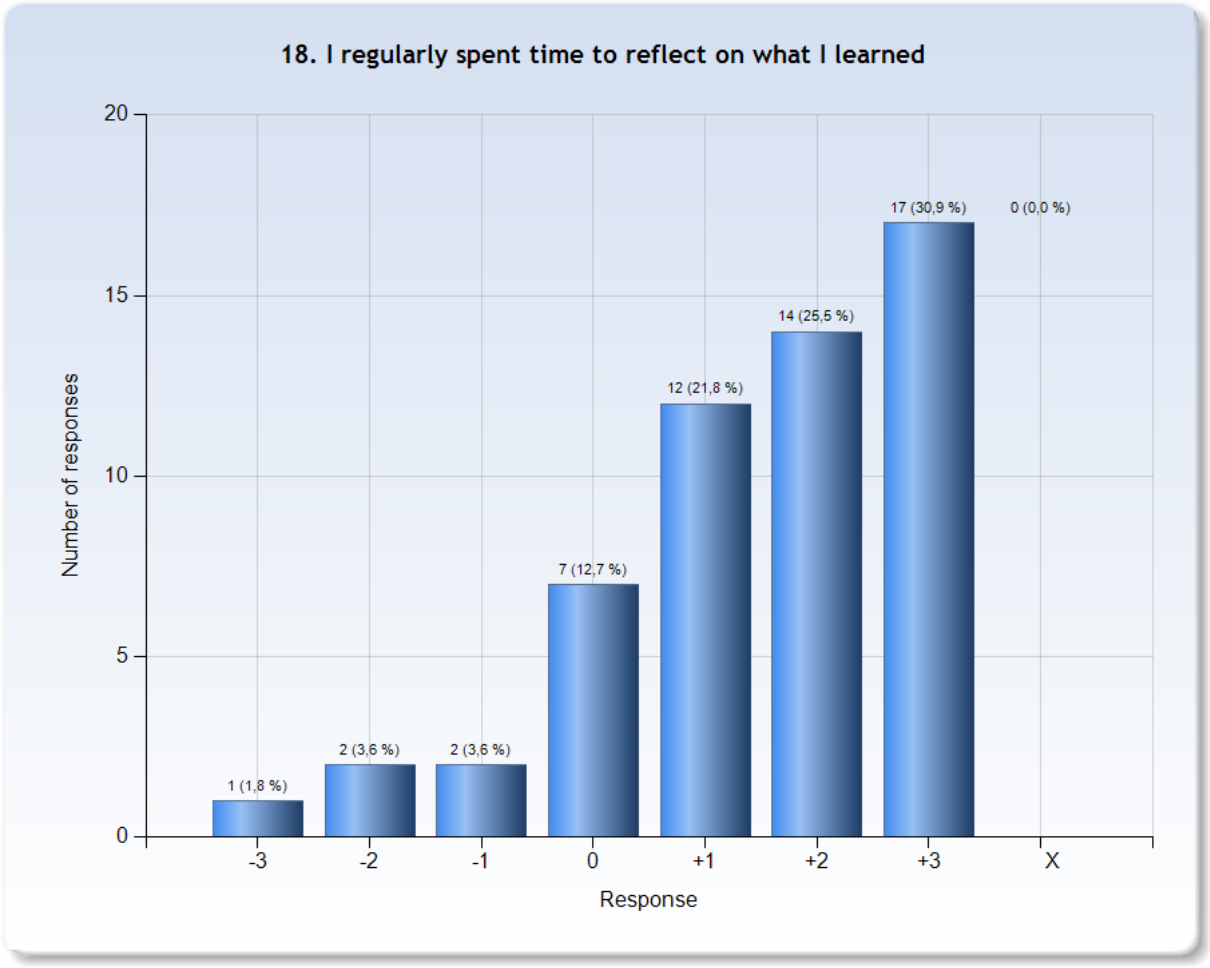
Comments (My response was: 0)
the course is not over yet so hard to say :)
Not sure because no feedback on assignments. But grades generally suggest that it's true



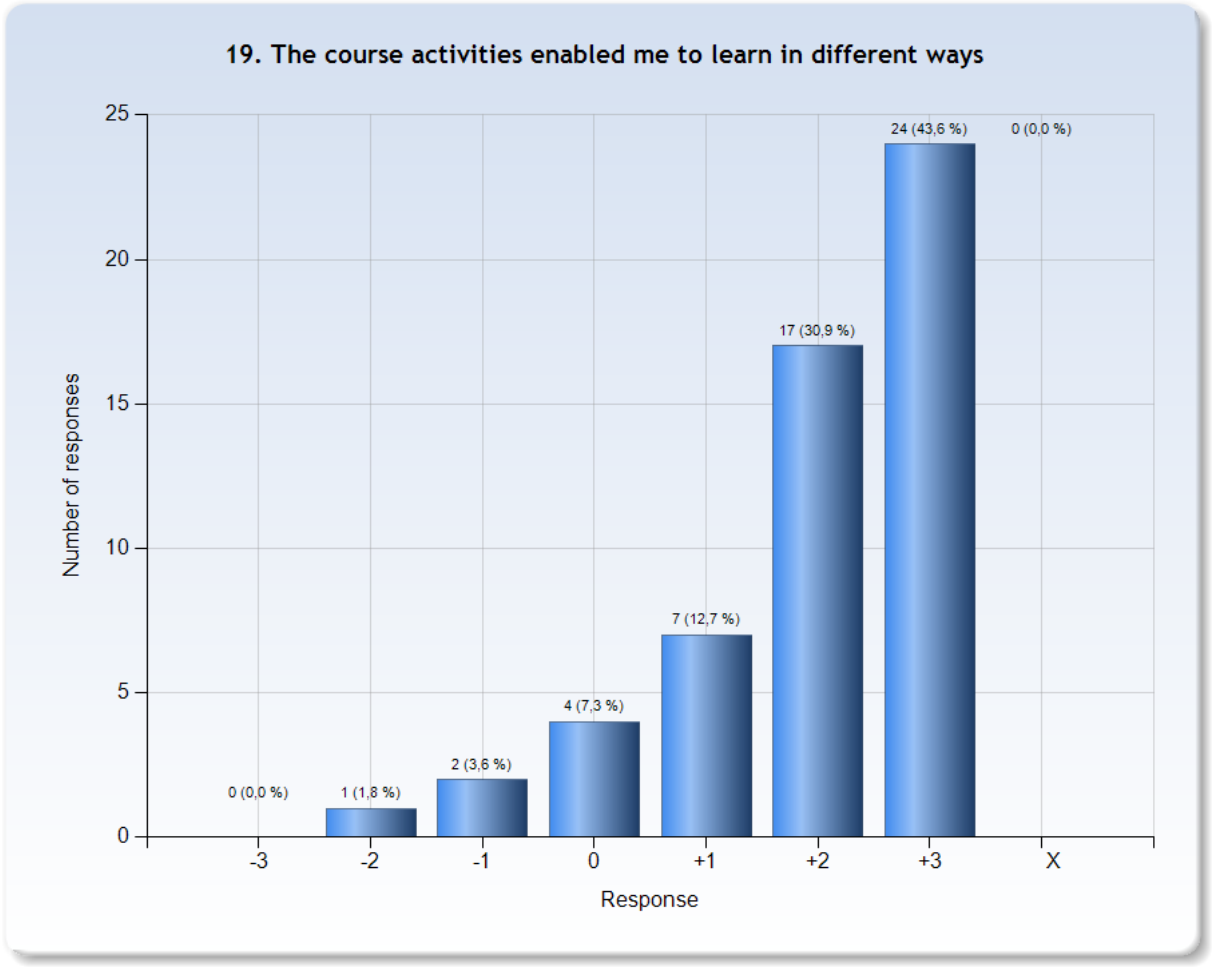
Comments

Comments (My response was: -1)

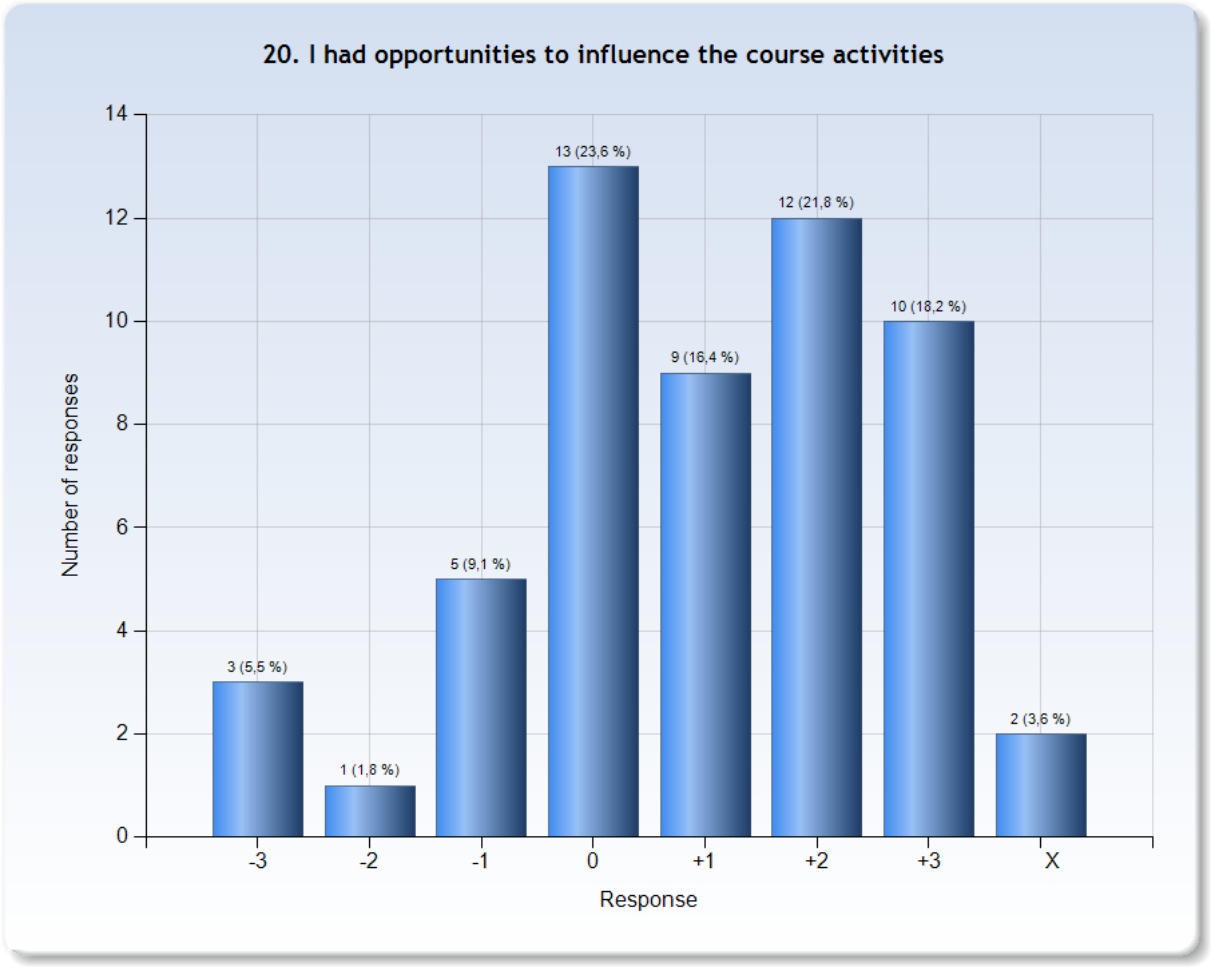
I have no prior background in AI at all and it seems as if the project benefits a lot from knowing AI.


18. I regularly spent time to reflect on what I learned
Number of responses
Response
20
15
10
5
0
1 (1,8 %)
2 (3,6 %)
2 (3,6 %)
7 (12,7 %)
12 (21,8 %)
14 (25,5 %)
17 (30,9 %)
0 (0,0 %)
-3
-2
-1
0
+1
+2
+3
X

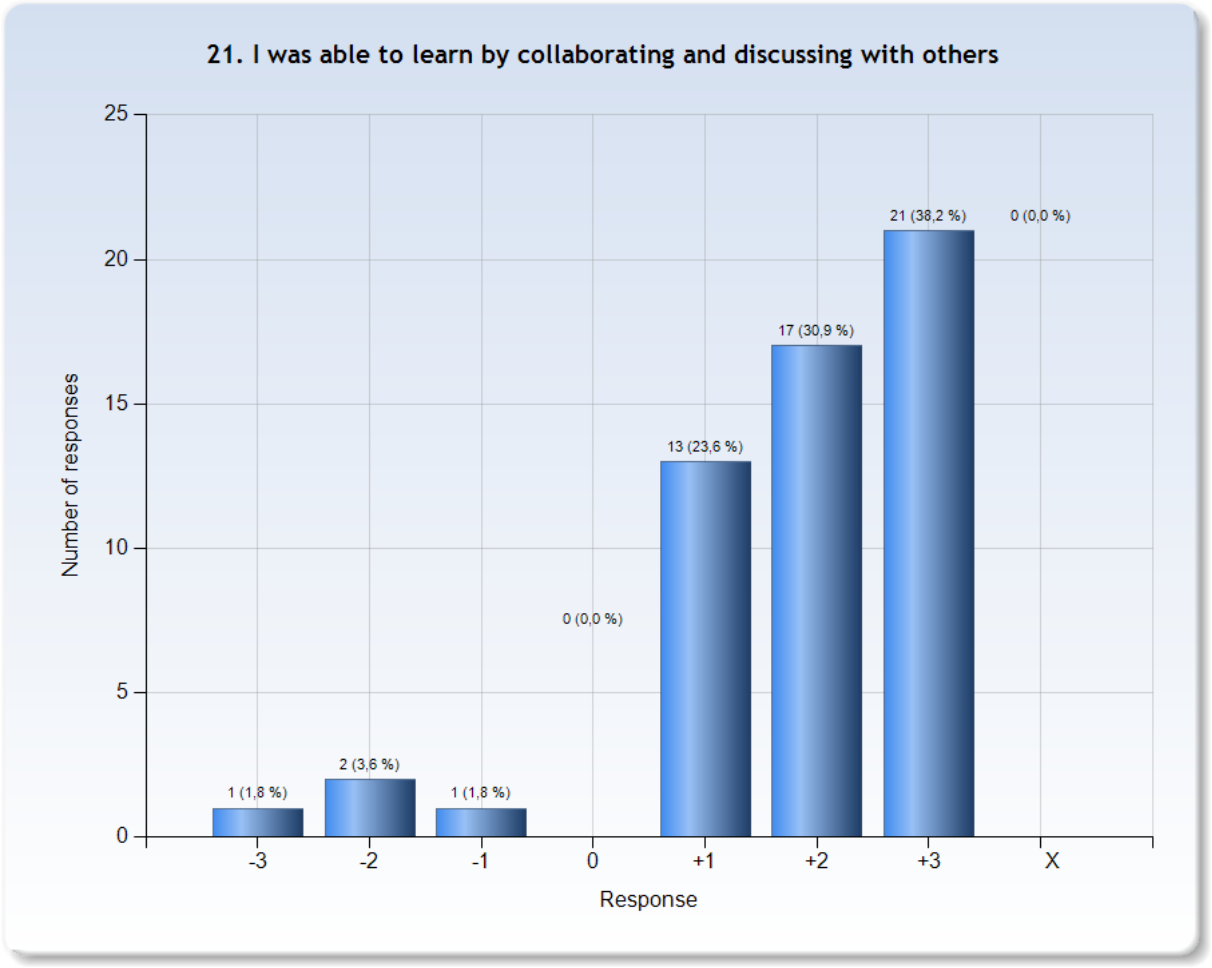
Comments


19. The course activities enabled me to learn in different ways
Number of responses
25
20
15
10
5
0
0 (0,0 %)
1 (1,8 %)
2 (3,6 %)
4 (7,3 %)
7 (12,7 %)
17 (30,9 %)
24 (43,6 %)
0 (0,0 %)
-3
-2
-1
0
+1
+2
+3
X
Response

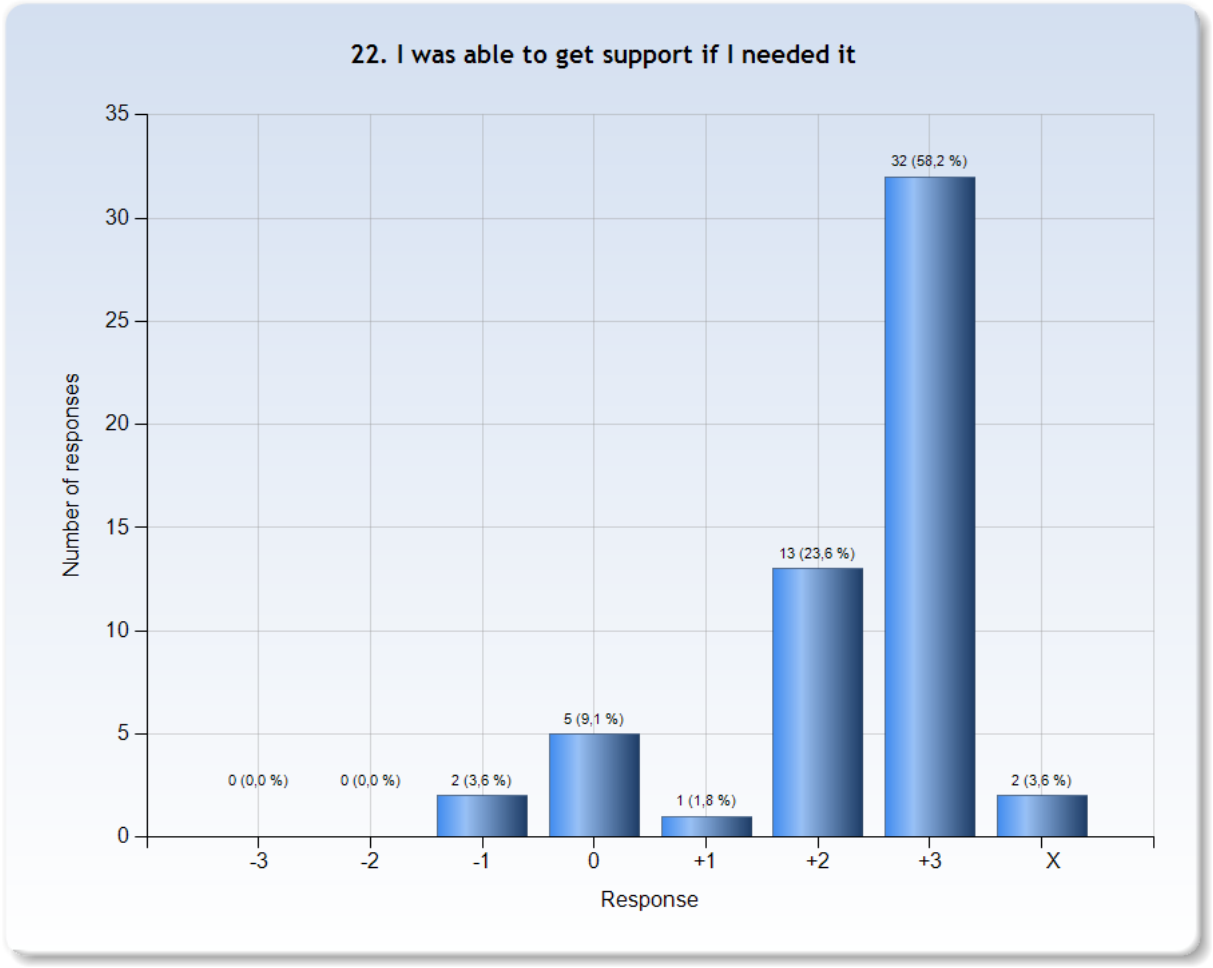
Comments


20. I had opportunities to influence the course activities
Number of responses
Response
0
2
4
6
8
10
12
14
-3
-2
-1
0
+1
+2
+3
X
3 (5,5 %)
1 (1,8 %)
5 (9,1 %)
13 (23,6 %)
9 (16,4 %)
12 (21,8 %)
10 (18,2 %)
2 (3,6 %)

Comments


21. I was able to learn by collaborating and discussing with others
Number of responses
25
20
15
10
5
0
1 (1,8 %)
2 (3,6 %)
1 (1,8 %)
0 (0,0 %)
13 (23,6 %)
17 (30,9 %)
21 (38,2 %)
0 (0,0 %)
-3
-2
-1
0
+1
+2
+3
X
Response

Comments



Comments

Comments (My response was: -1)
Should have help with some kind of lab or help sessions