PX408:Relativistic Quantum Mechanics

Module questionnaire 20/21 (PX408)

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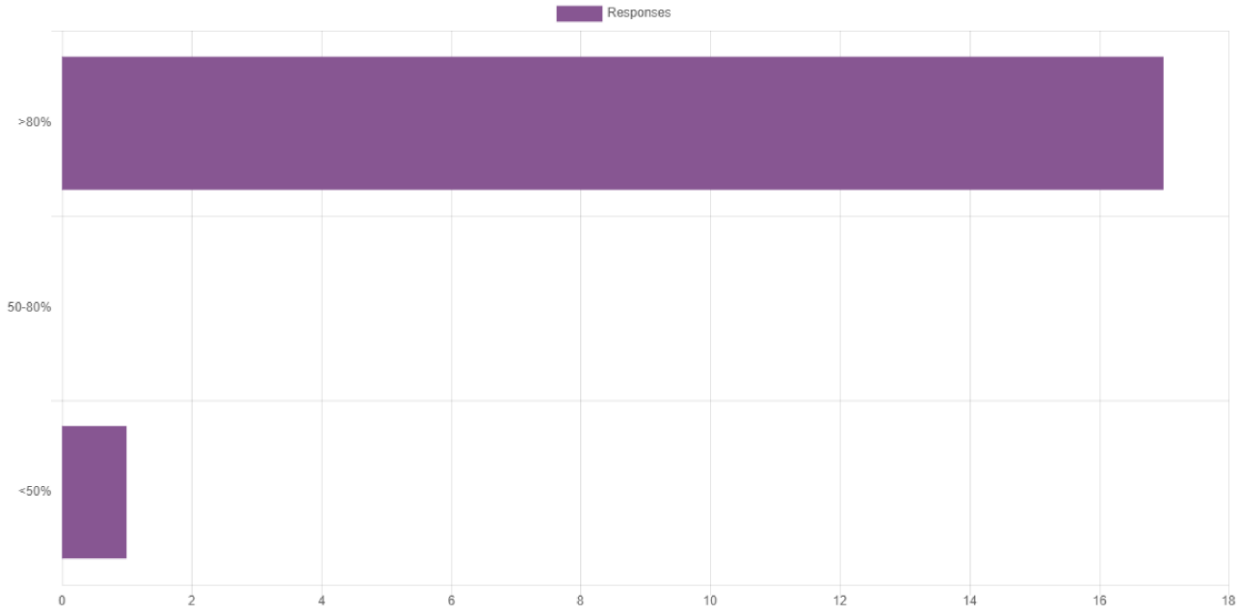
Submitted answers: 18 / 58
Questions: 21

(Q1) I watched or read through the notes of (...?...) of the online lecture material



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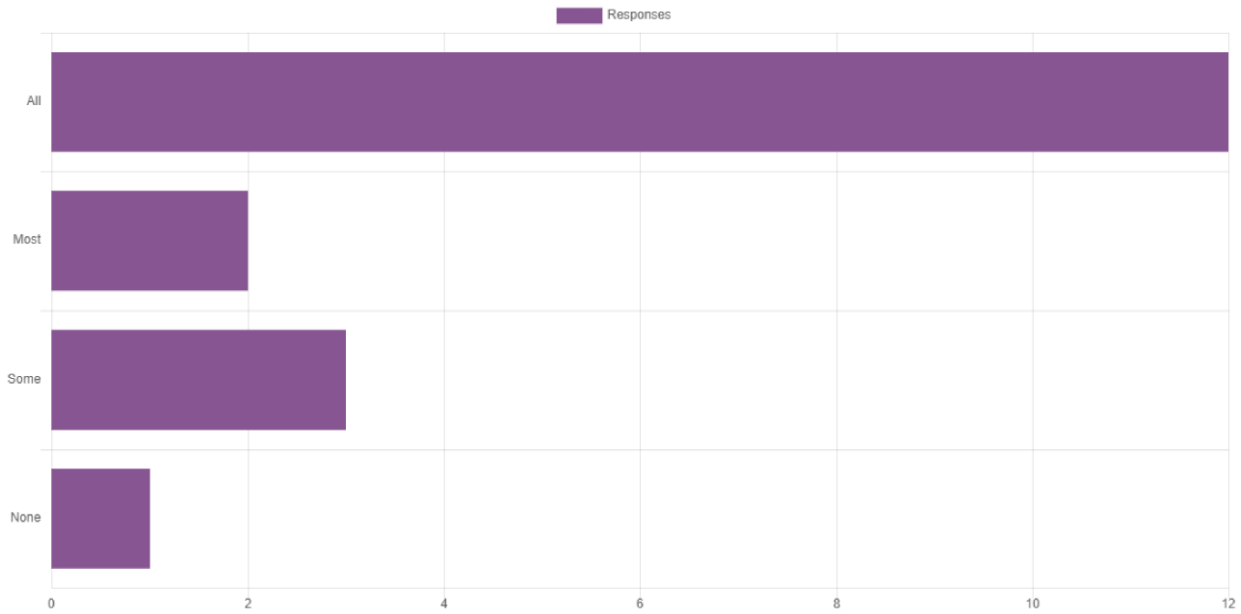
(Q2) I attended (...?...) of the Live Events for this module



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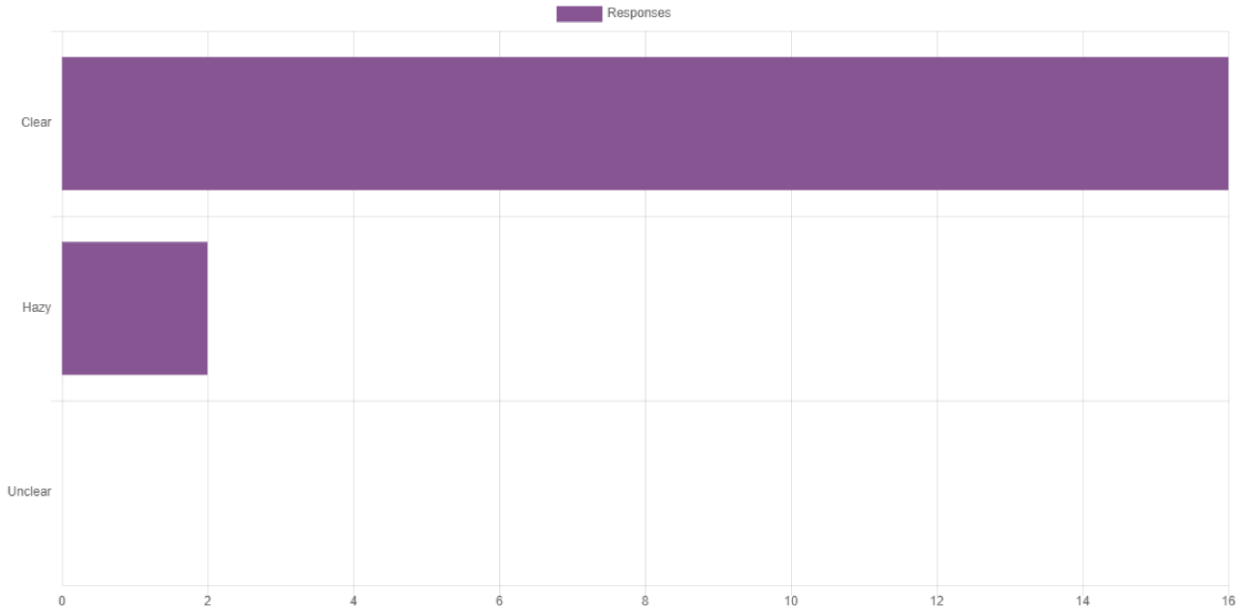
(Q3) By the end of the module its purpose and direction were



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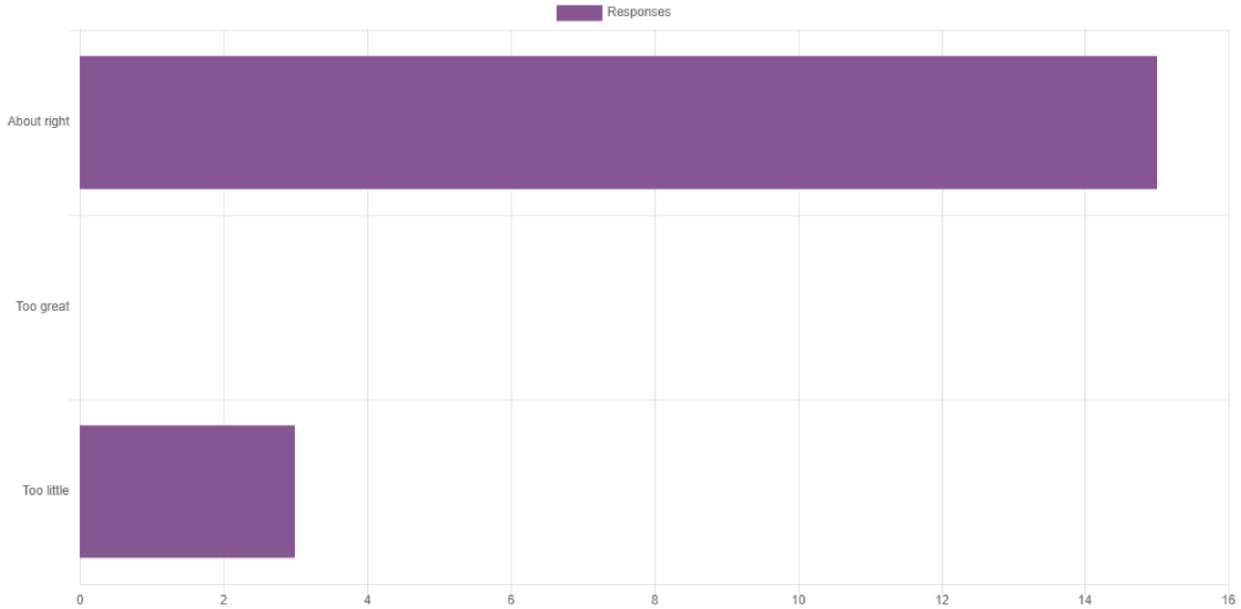
(Q4) The quantity of material was



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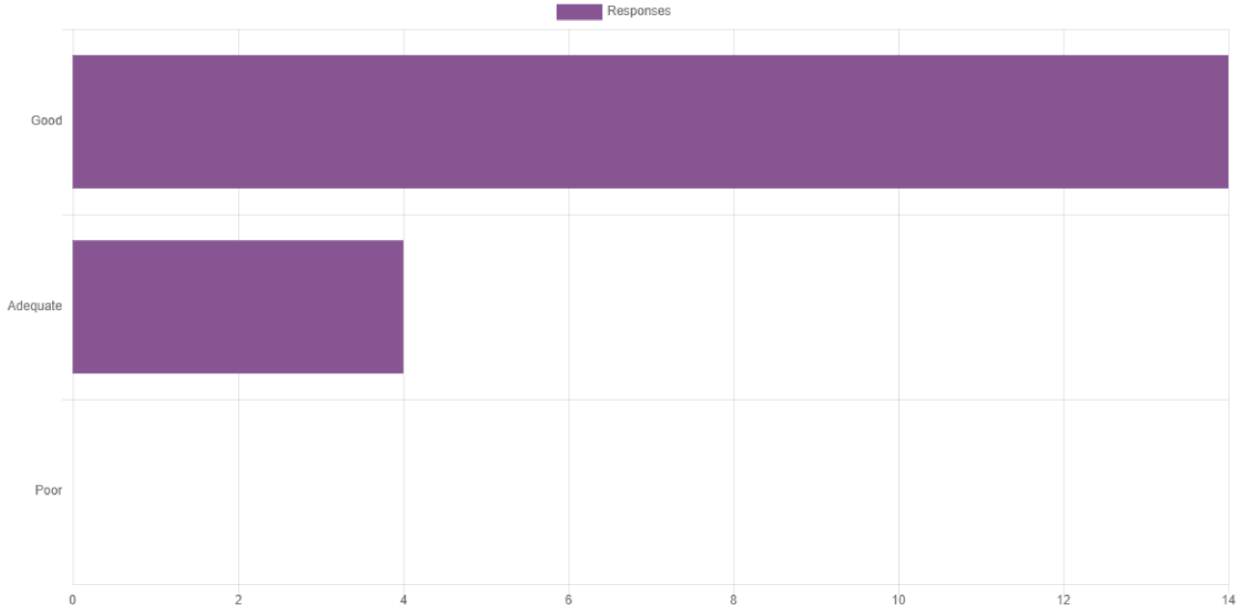
(Q5) Explanation of new terms and concepts was



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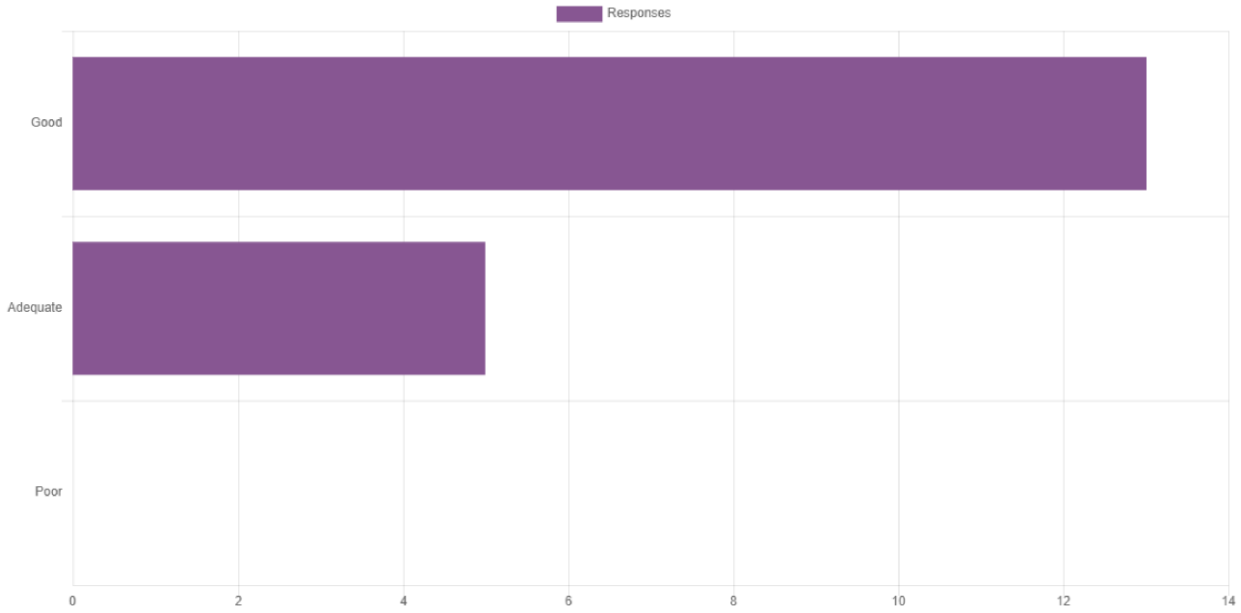
(Q6) I have a (...?...) set of notes



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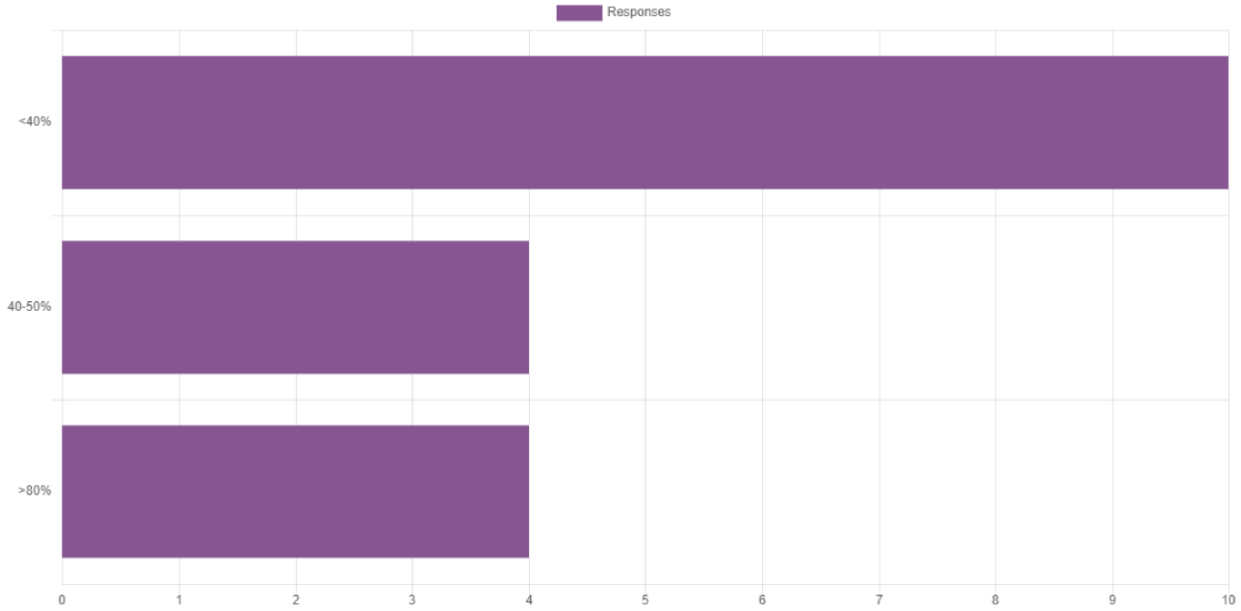
(Q7) I attempted (...?...) of examples sheet questions



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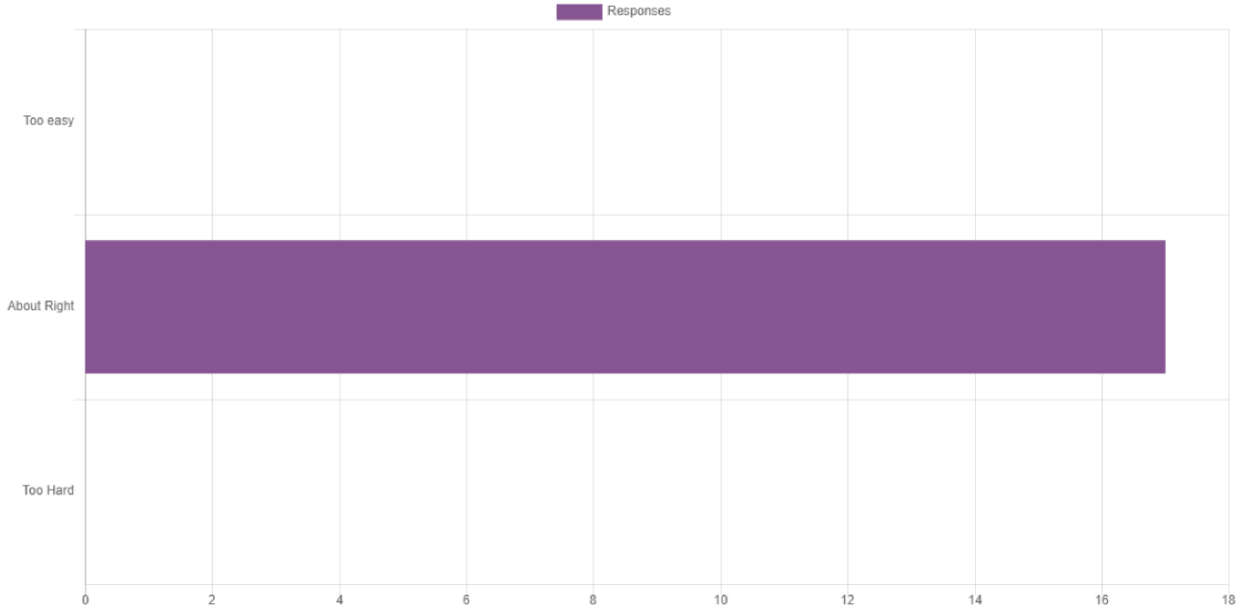
(Q8) The examples sheet questions were



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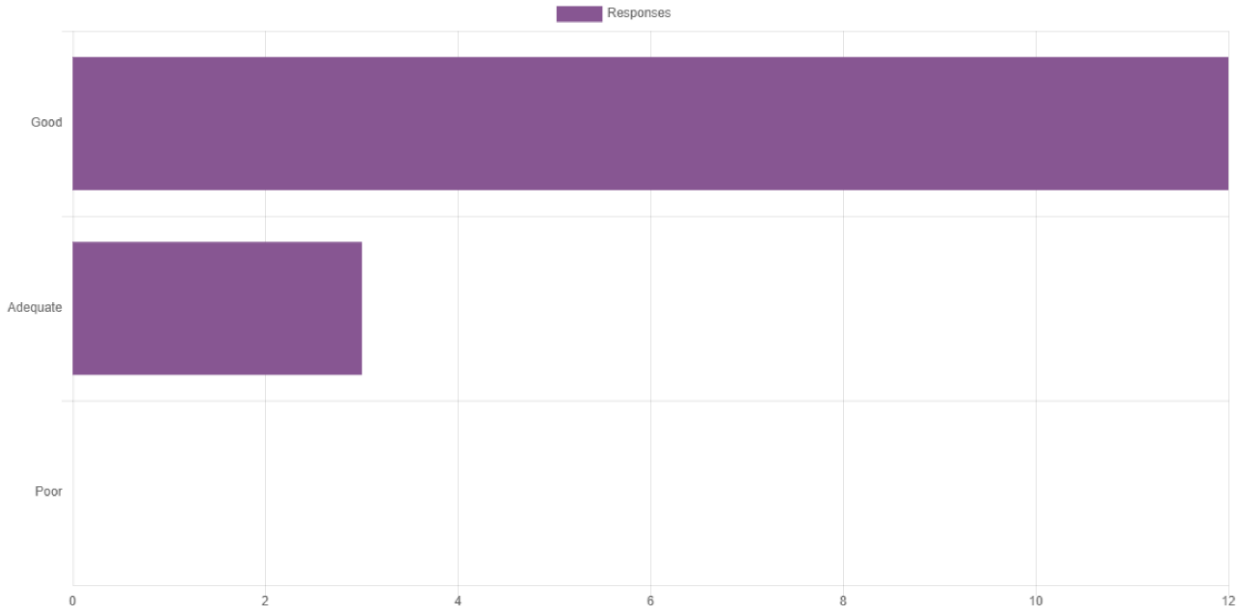
(Q9) Promptness of feedback on submitted coursework was



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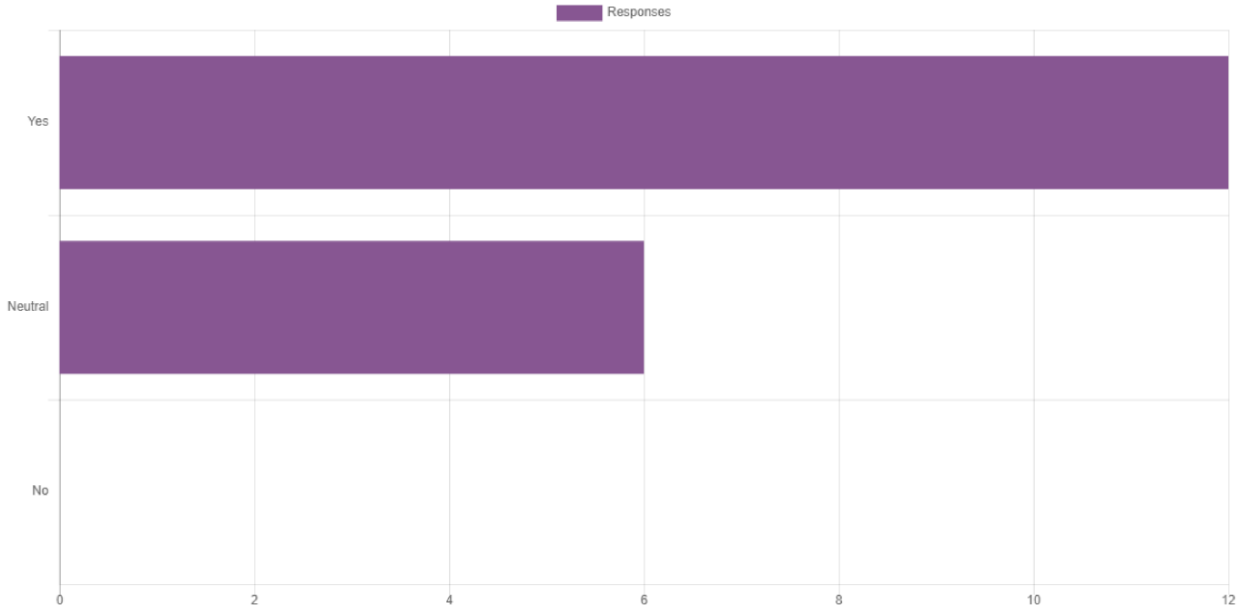
(Q10) Would you like a course taking this subject further



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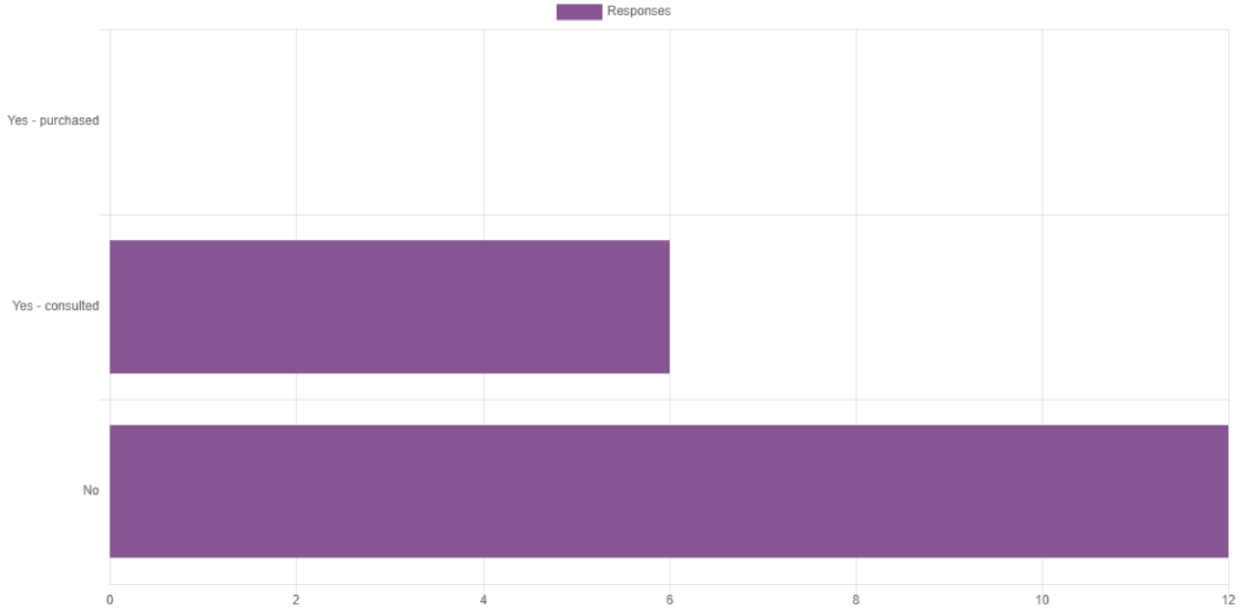
(Q11) Did you use any of the recommended/suggested textbooks?



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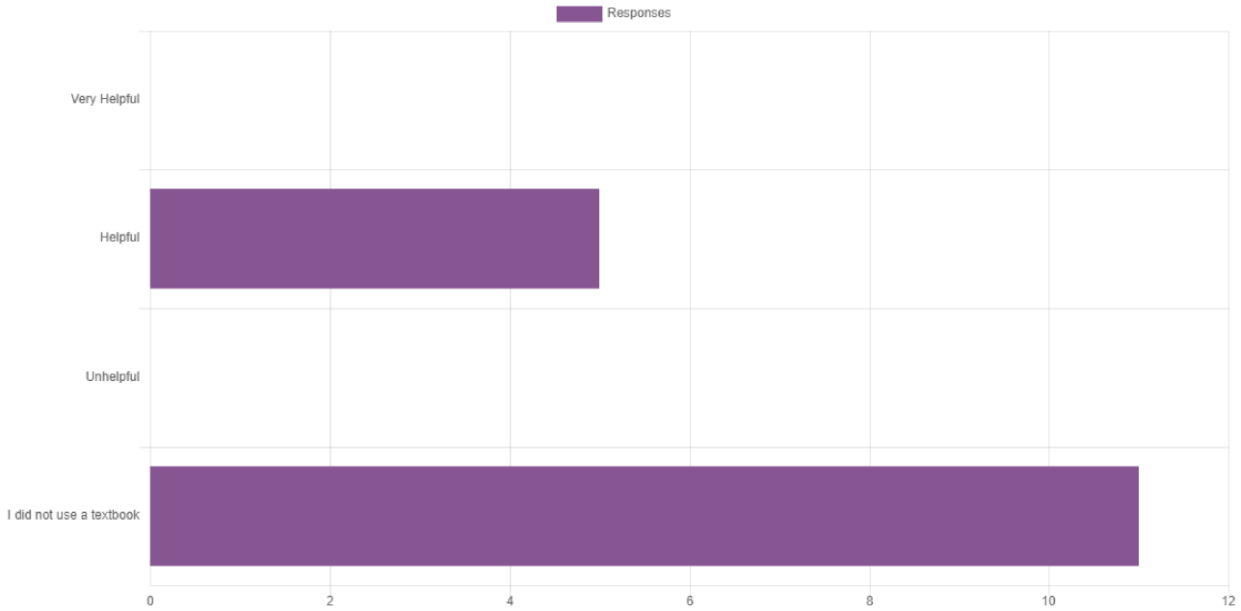
(Q12) I found the textbook(s) used to be



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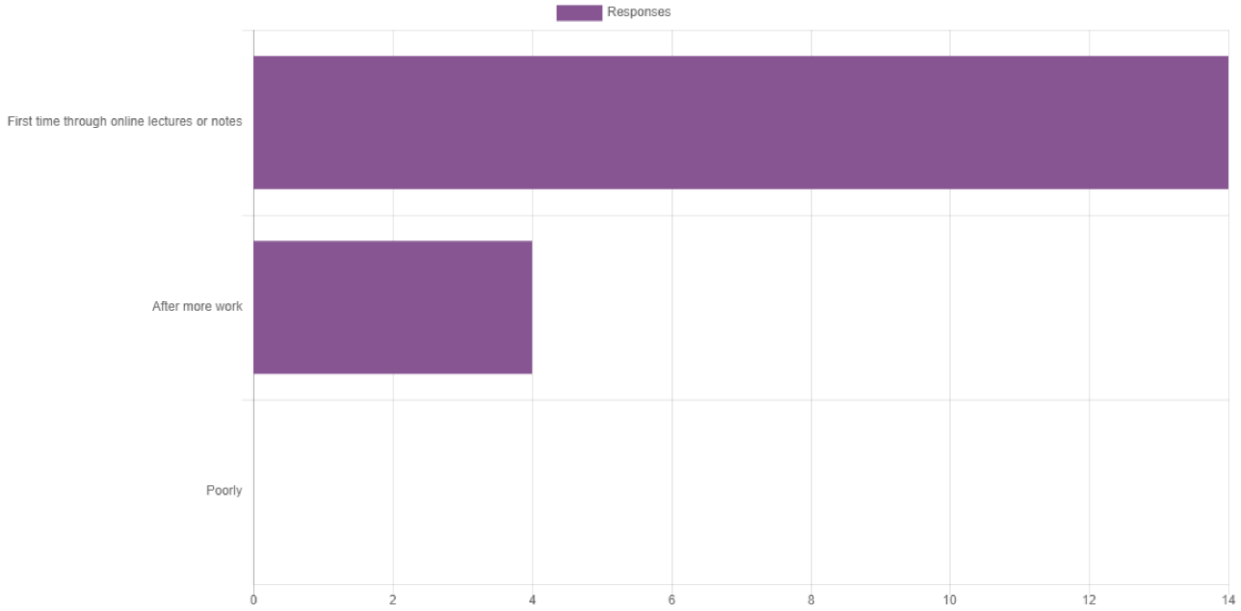
(A) Klein-Gordon equation



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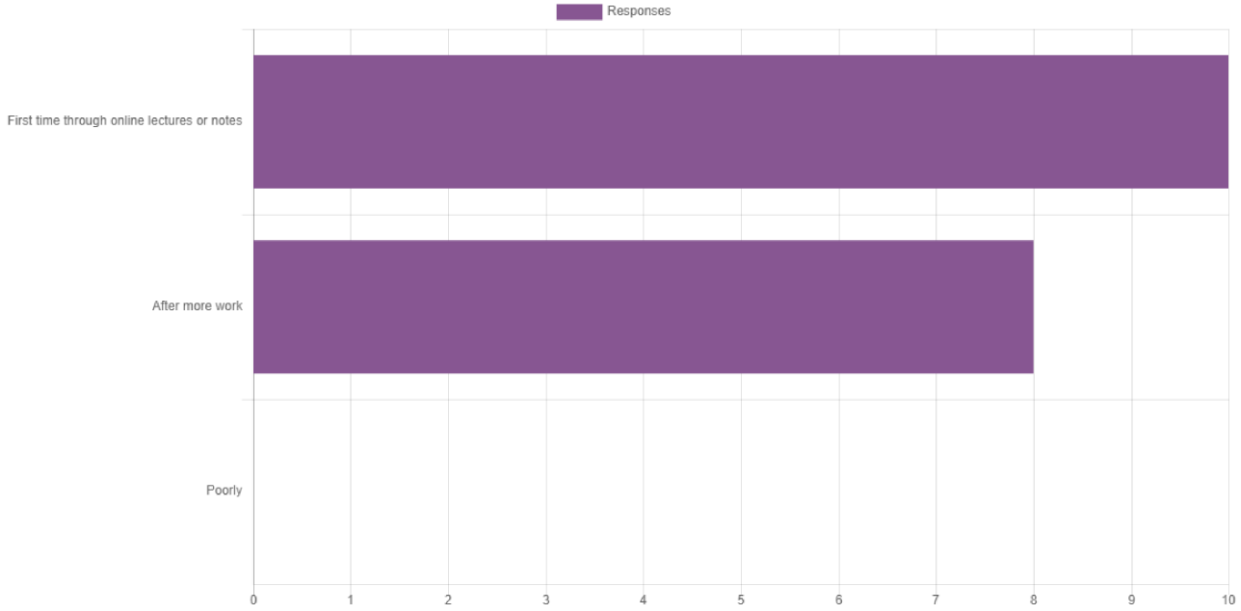
(B) Dirac equation



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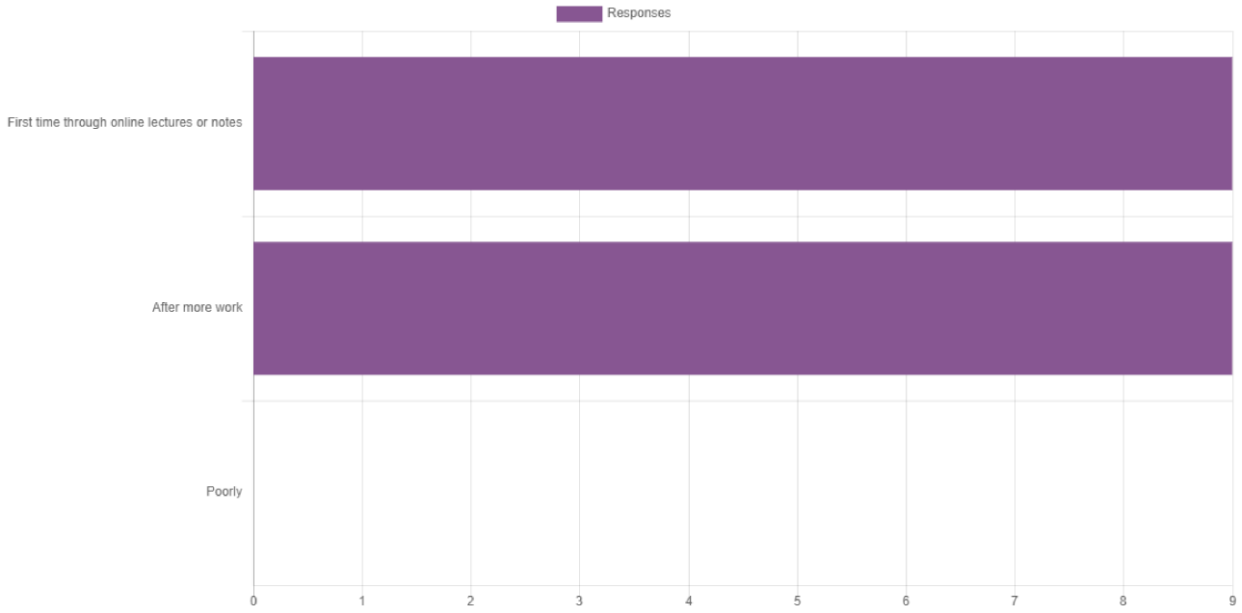
(C) Helicity operator



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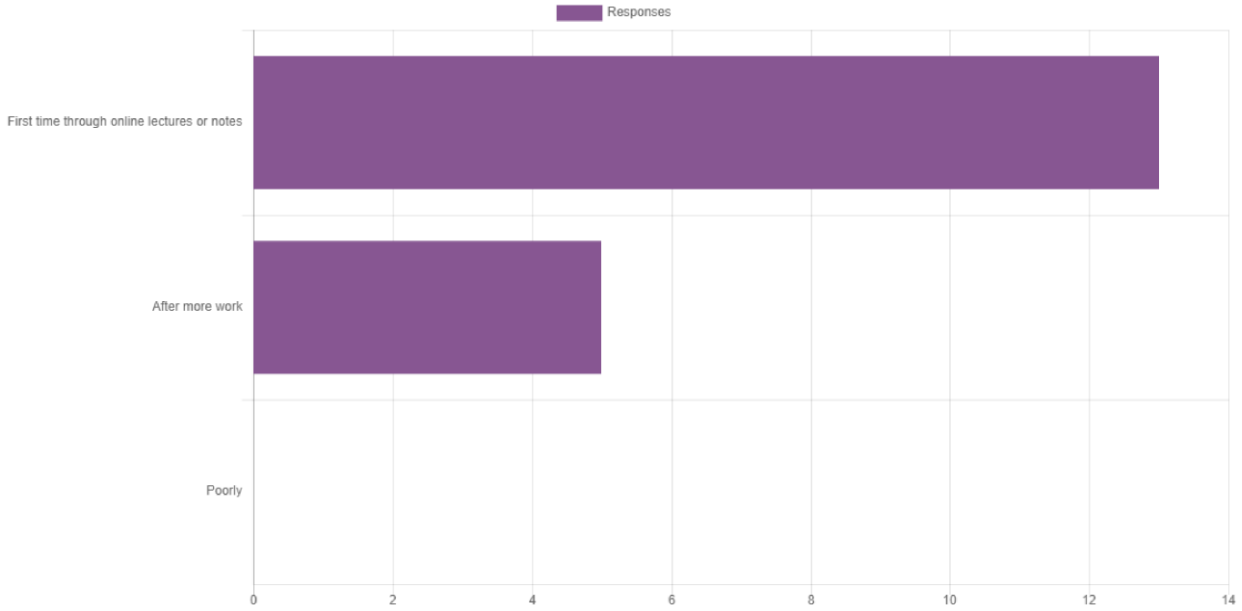
(D) Parity and charge conjunction



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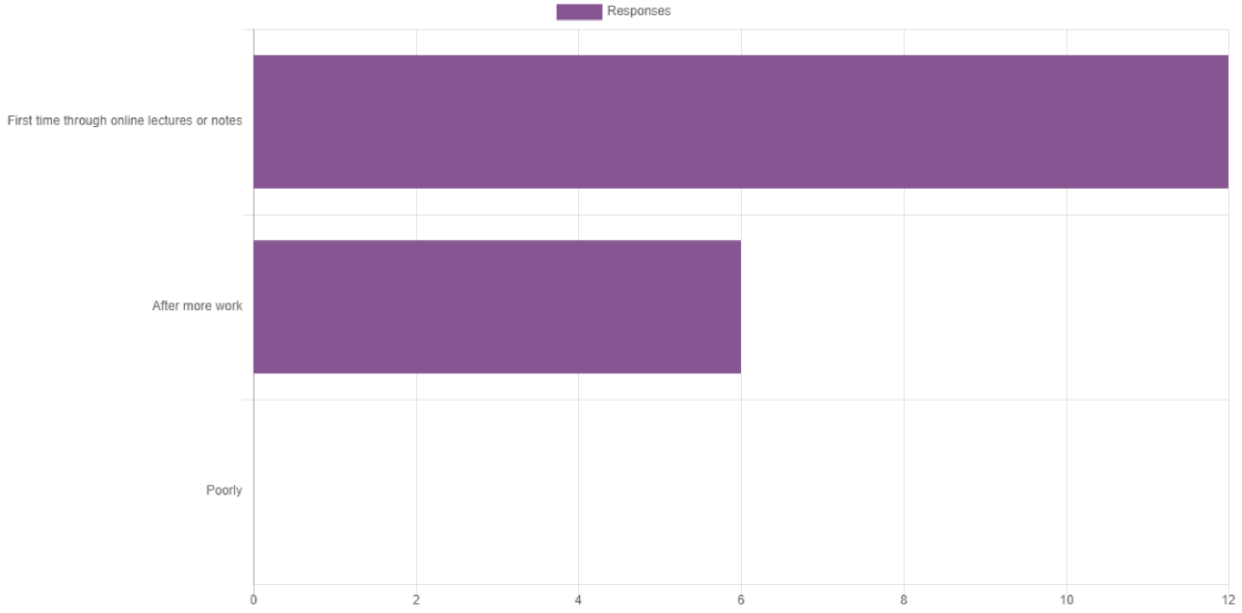
(E) Interpretation of negative energy solutions



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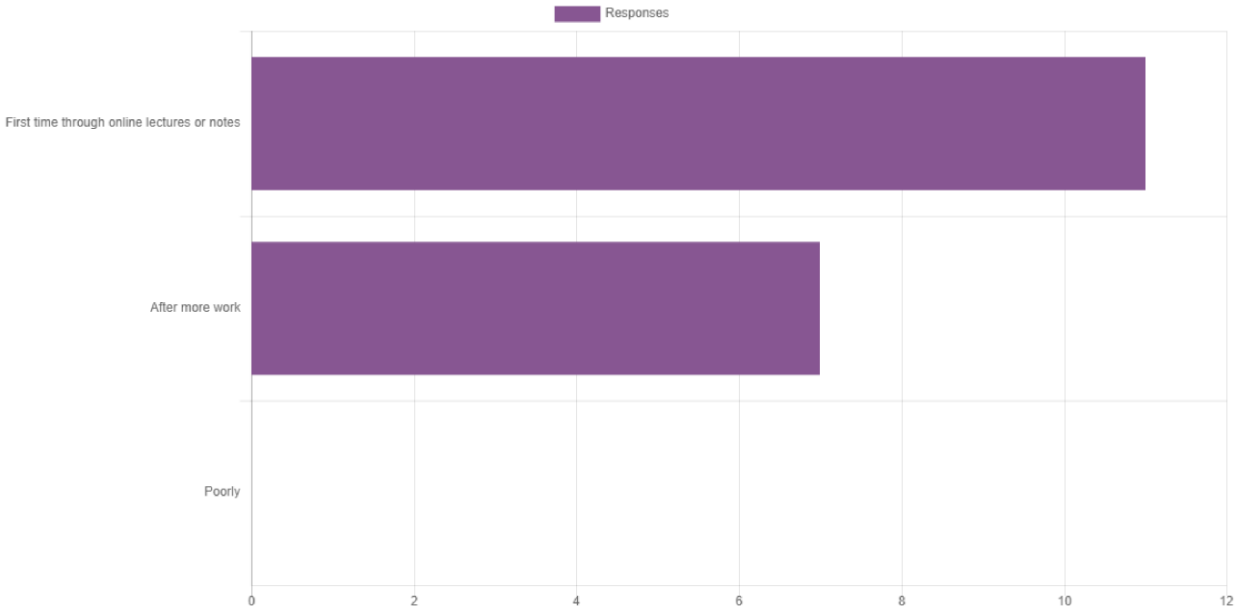
(F) Applications of RQM



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The best features of this module were:

- Good set of notes provided

- I felt the blended presentation was very good, can discuss implications and intuition in the videos and live events, and then we can fill in the gaps ourselves with the notes and books for reference.

- The content: a great balance of theory and applications to QM.

The lecturer: Tom was great and his explanations were clear, and he was always ready to help.

- -Comprehensive typed notes

-Material that could be quite dry was well-formatted in an engaging way.

- Good lecturing

- The videos

- The online lecture notes and feedback from the lecturer with email/forum questions and help in the live lectures. Very clear purpose throughout the course and very well structured.

- The lecture notes were very clear and organised, and the questions were scattered throughout the notes so that you know what section they are related to.

- The short videos on each topic were perfect for rewatching specific things.

- The video recordings were very nicely done

- Concepts were well explained and organised well in the handouts.
Handouts are very useful.

- Interesting topics, i liked the splitting of the work between videos and the clear videos with extra work and questions in the lecture notes

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Any particular aspects/items needing improvement (and suggestions how):

- - I think some of the mathematical content needed more background information first/ some concepts were not fully introduced. Some examples are: defining algebras, anti-commutator notation, the term postive-definite.

-Although it saves a lot of time/space, I think block notation made things quite confusing.

-I'm not sure if this is just because the module is running online this year, but I personally strongly prefer content to be delivered via written notes and discussion (or a printed copy of the slides and annotations) to narrated slides.

- More content

- Maybe some more emphasis on "transforming as a vector/scalar/ 4-vector/etc." As I felt it was fairly important and yet it was as if it never actually explained properly within the course.

- Nothing needs improvement

- some further clarification on Trace and clifford algebra would be helpful.

- The live lectures included a lot of recap of stuff from the lecture content. If you have done the recommended work from the week then you won't need the recap so didn't find this too helpful. Would be more beneficial to work through exam questions or problem sheet questions perhaps. Maybe make it more clear if there are parts of the lecture notes which are non examinable.

Any other comments:

- I wish it could have been in person so i could thank tom!

- Thank you! :)

- I appreciate the extra effort put into the modules this year: having a weekly Q&A as well as the video lectures has allowed me to have a much more complete set of notes than usual, and the extra content has been greatly beneficial for my understanding of the content and the problems.

- The video lecture format felt like less content and depth compared to some other modules, and did not seem to cover everything in the lecture notes. If video lectures are used in the future, I would have preferred them to be longer and cover more of the printed notes, so that it's closer to what we would have had under normal circumstances

- Thank you Tom, really enjoyed the module.

- N/A

- Very good module, excited to expand and use it's framework in px430

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